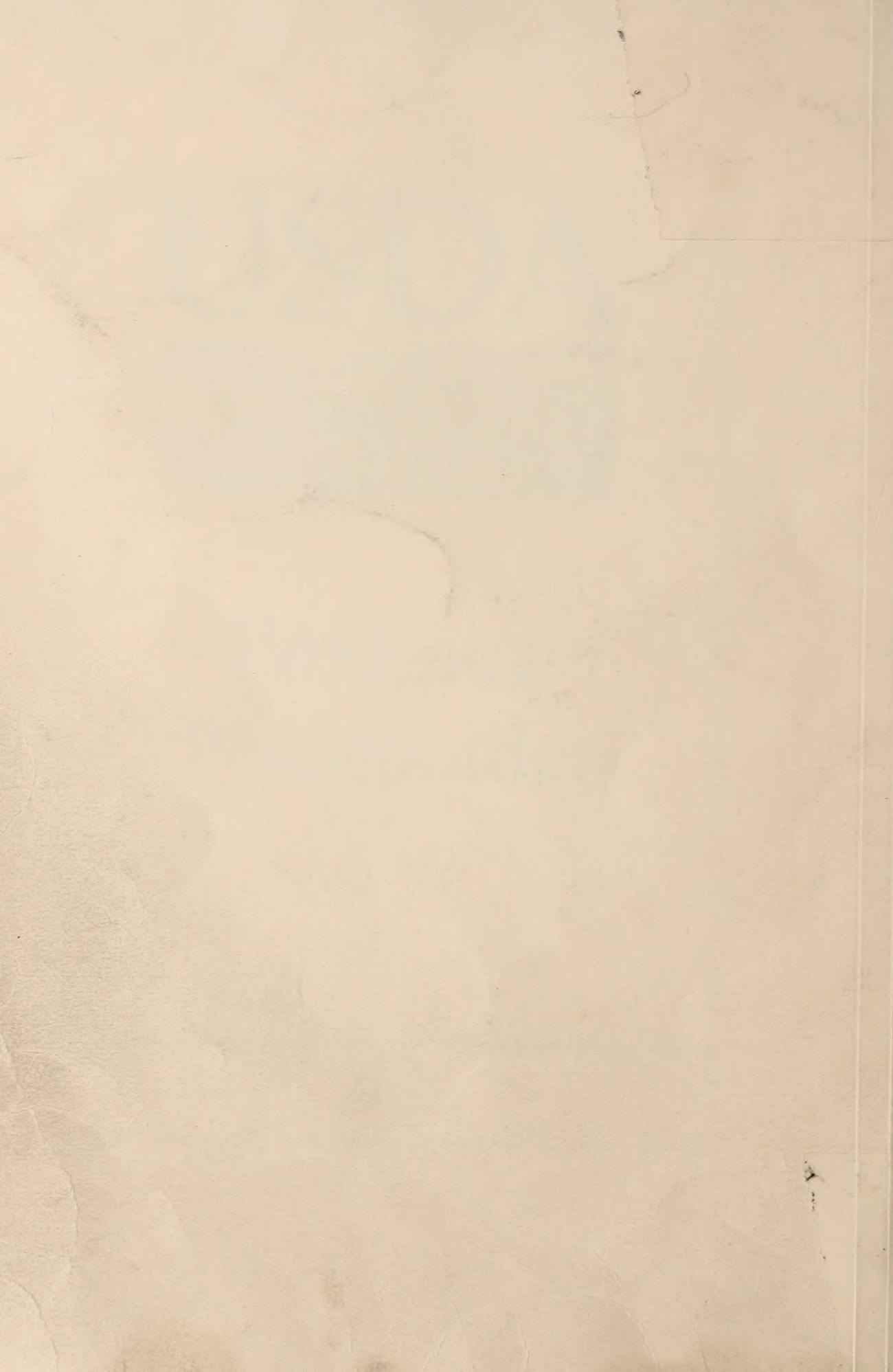


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Do not assume content reflects current scientific knowledge, policies, or practices.



6223

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SEP 17 1941  
U. S. Department of Agriculture



A field of Vaughan's Tulips in Oregon—Mt. Hood in distance.

Vaughan's SPRING FLOWERING BULBS  
CHICAGO • NEW YORK

1941  
Vaughan's Mt. Hood Tulip Mixture  
This has been built up of odd lots of imported named varieties of tall, giant tulips, left over from our fall retail trade, and multiplied in our Oregon fields, in well balanced proportion, and includes many of the finest garden varieties. Second size bulbs are dependable for garden use, blooming a few days later than first size. First size: Doz., \$1.15; 100, \$8.00; 1,000, \$75.00. Second size: Doz., 85c; 100, \$6.00; 1,000, \$55.00.  
ALL ABOVE PRICES PREPAID.

# Giant Tulip

COLOR \$ **120**  
Collection B **1**  
Prepaid

10 FOR . . .

One First Size Bulb Each of the Ten  
Varieties Illustrated on This Page.

Two each (20 bulbs) \$2.25

Three each (30 bulbs) \$3.25

Six each (60 bulbs) \$6.00

Twelve each (120 bulbs) \$11.50

BARTIGON  
(Darwin)

ORANGE KING  
(Cottage)

ON THIS and the opposite page are illustrated leading varieties of the tall, late tulips grown in our own fields in the Pacific Northwest, where we have grown tulips by scientific methods for several years. In our tests, conducted over a period of years, American grown bulbs of this variety have produced better flowers than imported Dutch bulbs. Varieties illustrated on this page are priced individually as follows, all first size bulbs:

	Doz.	100		Doz.	100
Bartigon . . . . .	\$1.65	\$12.00	Pride of Haarlem . . . . .	\$1.40	\$10.00
Inglescombe Yellow . . . . .	1.15	8.00	Orange King . . . . .	1.40	10.00
Reverend Ewbank . . . . .	1.40	10.00	Madame Krelage . . . . .	1.25	9.00
Clara Butt . . . . .	1.10	7.50	Sundew . . . . .	1.50	11.00
Maiden's Blush . . . . .	1.40	10.00	Bronze Queen . . . . .	1.15	8.00

ALL ABOVE PRICES PREPAID.

INGLESCOMBE YELLOW  
(Cottage)

MADAME KRELAGE  
(Darwin)

MAIDEN'S BLUSH  
(Cottage)

SUNDEW  
(Laciniated Darwin)

REVEREND  
EWBANK  
(Darwin)

PRIDE OF HAARLEM  
(Darwin)

BRONZE QUEEN  
(Breeder)

CLARA BUTT  
(Darwin)

# Giant Tulip Leaders \$1

8 Bulbs,  
Prepaid, . . . . .

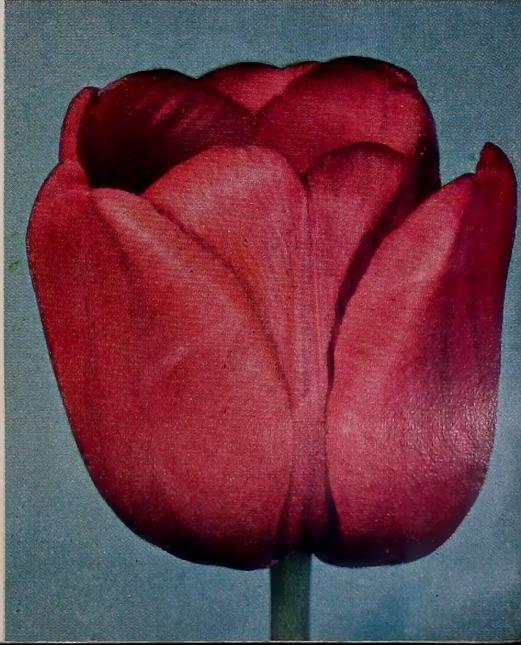
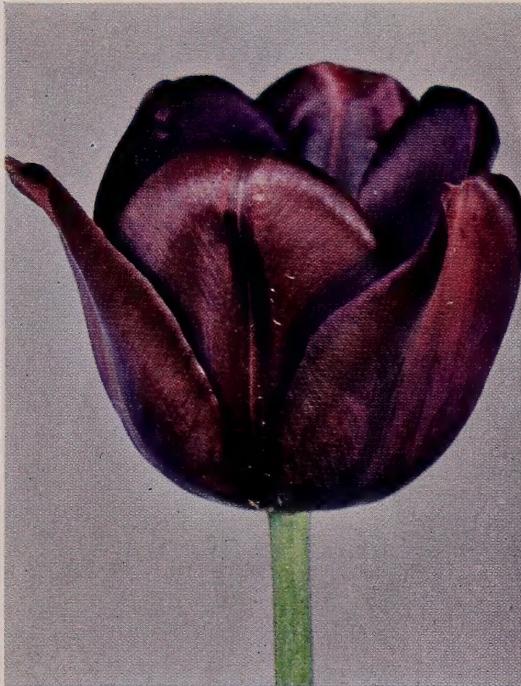
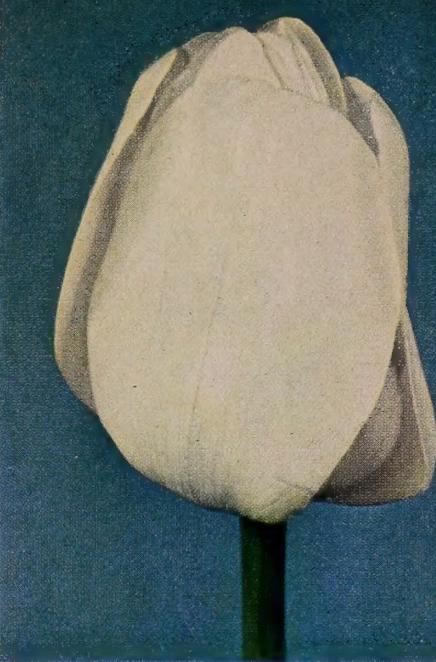
One First Size Bulbs Each of the Eight Varieties Illustrated on this Page.

Two each (16 bulbs) . . . . .	\$ 1.85
Three each (24 bulbs) . . . . .	2.70
Six each (48 bulbs) . . . . .	5.25
Twelve each (96 bulbs) . . . . .	10.00

Varieties Illustrated on this Page are Priced Individually as follows, all First Size Bulbs:

	Doz.	100
Top left, Princess Elizabeth . . . . .	\$1.25	\$ 9.00
Middle left, Mrs. Mandel . . . . .	1.65	12.00
Bottom left, City of Haarlem . . . . .	1.75	13.00
Top center, Dillenburg . . . . .	1.50	11.00
Bottom center, Yellow Giant . . . . .	1.50	11.00
Top right, Miss Blanche . . . . .	1.50	11.00
Middle right, Faust . . . . .	1.75	13.00
Bot. right, Farncombe Sanders . . . . .	1.50	11.00

(C) ALL ABOVE PRICES PREPAID.



# Vaughan's FAMOUS RAINBOW GARDEN of GIANT TULIPS

40 Bulbs \$2  
Prepaid . . .



40 Flowering Size Bulbs, 8 \$  
Each of Five Different Vari-  
eties Separately Bagged and  
Labeled of these Colors: Red,  
Orange, Yellow, Lavender  
and Pink. Prepaid . . .

2

# American Grown Tulips Win Approval



Vaughan's  
FAMOUS  
Rainbow  
Garden of  
GIANT  
TULIPS

MILLIONS OF VAUGHAN TULIPS IN FLOWER IN OUR OREGON FIELDS.

40 FLOWERING  
SIZE  
BULBS \$2

8 Each of 5 Varieties Separately Bagged and  
Labeled of Red, Orange, Yellow, Lavender and Pink. Prepaid . .

THOUSANDS of home gardeners and florists planted Vaughan's American grown tulip bulbs last fall and by actual test proved to their satisfaction that they are as good as any tulips in the world.

Leonard H. Vaughan, president of Vaughan's Seed Store, in a review of the tulip outlook recently published in Seed World, a national seed trade magazine, said: "Many Americans learned for the first time that an American tulip industry had been born and was already a sturdy infant. Its birth was not due to war, and its growth to maturity will not be dependent upon a continuation of war. \*\* Even should \*\* bulb imports again be possible, it will continue to grow. \*\* It has been definitely proved that tulips can be produced in this country \*\* of a quality which, for both greenhouse and garden use, is fully equal to the best product of Holland."

Corroborating this view, Fred F. Rockwell, the well-known horticultural authority, writes in House & Garden, Sept. 1941: "Anyone who makes the statement that first-quality bulbs of daffodils, tulips, hyacinths, bulbous irises and the general line of Spring-flowering bulbs cannot be grown in America is either misinformed or has a large, dull axe to grind."

While their quality is established beyond question, the quantity of American tulips available for planting this fall is but a fraction of normal requirements. Most in demand are those produced in the Pacific Northwest, which is recognized as the most favorable locality for bulb production.

The largest planting of tulips in this favored section is that of Vaughan's Seed Store, at Park Rose, a suburb of Portland, Ore. First choice of the bulbs harvested this year has been reserved for our customers, who thus will have available for their gardens, tulips of quality unsurpassed by the best imported bulbs, with a selection of varieties which includes the finest in each type.

To make tulips available to small home gardens, in spite of the shortage of bulbs, we have increased the value of our Rainbow Garden offer this year, from 30 to 40 bulbs, including 8 each of five different colors. Because it will be necessary to change the varieties used for this offer from time to time, we cannot list the named varieties which you will receive; but the variety name of each group of eight will be written clearly on the bag in which they will be enclosed. This will enable the buyer to plant his bulbs in an effective color arrangement.



Darwin Tulip Faust  
Blooming in Oregon.

For new lawns  
or old. Autumn is the  
best time  
to sow...

1/2 Lb., \$0.30  
2 Lbs., 1.00  
3 Lbs., 1.50  
5 Lbs., 2.45  
10 Lbs., 4.50  
15 Lbs., 6.65  
20 Lbs., 8.75  
25 Lbs., 10.75  
100 Lbs., 40.00

Prepaid in U. S. A.



**A**UTUMN is the most favorable time to sow lawn seed, the earlier the better. In the short days and cool nights the seedling plants make vigorous growth. Give them all the time possible to become established before freezing weather arrives.

In the fall it is more important than ever to sow only permanent grasses, free from short-lived, coarse growing types. For a lawn of permanence and beauty, our famous Chicago Parks mixture is recommended, containing only fancy, recleaned seed of fine leaved, hardy, lasting grasses of high purity and germination. It contains no timothy, or other coarse adulterants. Remember, cheap mixtures invariably disappoint and increase rather than reduce expense.

We offer Chicago Parks mixture without Clover as "Fairway Mixture" at Chicago Parks prices.

#### Vaughan's "Private Estate" Bent Formula

For those interested in a deluxe mixture we highly recommend our Private Estate formula. This formula contains over 98% pure seed and is free of all noxious weeds.

In addition to Kentucky Blue Grass of the highest quality, to insure a durable and resistant foundation for your lawn, Private Estate formula includes an important proportion of bent. It produces a heavy turf of very fine texture.

This mixture is equal or better in purity to the highest priced mixtures and most important, it contains more bent seed. It is the best value on the market.

Price, 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.85; 10 lbs., \$5.50; 15 lbs., \$8.15; 20 lbs., \$10.75; 25 lbs., \$13.25; 100 lbs., \$50.00.

#### Vaughan's "Columbian"

When making a lawn on sandy soil or in moderate shade, conditions are met with which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, 1/2 lb., 35c; 1 lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.60; 5 lbs., \$2.60; 10 lbs., \$5.00; 15 lbs., \$7.40; 20 lbs., \$9.75; 25 lbs., \$12.00; 100 lbs., \$45.00.

#### Vaughan's Dense Shade Formula

Composed of grasses most suited for growing in heavily shaded situations. A splendid mixture. It is also satisfactory in light shade.

Price, 1/2 lb., 40c; 1 lb., 70c; 2 lbs., \$1.40; 3 lbs., \$2.05; 5 lbs., \$3.35; 10 lbs., \$6.50; 15 lbs., \$9.65; 20 lbs., \$12.75; 25 lbs., \$15.75; 100 lbs., \$60.00.

#### Vaughan's No. 25 Lawn Formula

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine.

Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.25; 10 lbs., \$2.40; 15 lbs., \$3.50; 20 lbs., \$4.60; 25 lbs., \$5.50; 100 lbs., \$20.00.

All Grass Seed is Prepaid to Any Part of the U. S. A.  
There is an Extra Charge by Post Office for Collection on  
C. O. D. Packages

#### Fancy Kentucky Blue Grass (*Poa Pratensis*)

**EXTRA HEAVY SUN-CURED SEED**—Specially recleaned. Price, 1/2 lb., 25c; 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.35; 5 lbs., \$2.20; 10 lbs., \$4.00; 15 lbs., \$5.90; 20 lbs., \$7.75; 25 lbs., \$9.50; 50 lbs., \$17.00.

**Fancy Seed**—(Standard grade of recleaned blue grass.) Price, 1/2 lb., 20c; 1 lb., 35c; 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 15 lbs., \$4.40; 20 lbs., \$5.80; 25 lbs., \$7.15; 50 lbs., \$14.00.

#### Chewings Fescue (New Zealand Grown)

Seed, 5 lbs. to 1,000 sq. ft.—1 lb., 65c; 2 lbs., \$1.30; 3 lbs., \$1.95; 5 lbs., \$3.15; 10 lbs., \$6.25; 15 lbs., \$9.35; 20 lbs., \$12.25; 25 lbs., \$15.00; 50 lbs., \$27.50.

#### Rough Stalked Meadow Grass (*Poa Trivialis*)

Seed, 1 lb. to every 300 sq. ft.—1 lb., \$1.25; 2 lbs., \$2.50; 3 lbs., \$3.70; 5 lbs., \$6.00; 10 lbs., \$11.75; 15 lbs., \$17.25; 20 lbs., \$22.40; 25 lbs., \$27.00.

#### Red Top Grass (*Agrostis Alba*)

Extra Fancy recleaned solid seed—Price, 1/2 lb., 20c; 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 20 lbs., \$4.75; 25 lbs., \$5.75; 50 lbs., \$10.00.

#### White Clover For Lawns

Extra fancy seed. Price, 1/4 lb., 35c; 1/2 lb., 65c; 1 lb., \$1.25; 2 lbs., \$2.50; 3 lbs., \$3.70; 5 lbs., \$6.00; 10 lbs., \$11.75; 15 lbs., \$17.25; 20 lbs., \$22.40; 25 lbs., \$27.00.

#### Seed of the Bent Grasses

For lawns the Bent grass seed is preferred to the creeping Bent stolons because these types of Bent do not grow so rapidly and do not require so much cutting and top dressing. Seed at the rate of 3 to 4 lbs. per 1000 square feet.

**ASTORIA BENT GRASS.** This grass has creeping roots and makes a splendid lawn and golf grass. Requires less care than the aggressive surface creepers. Price, 1/4 lb., 35c; 1/2 lb., 65c; 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.35; 5 lbs., \$5.50; 10 lbs., \$10.75; 15 lbs., \$15.75; 25 lbs., \$25.00.

**EUROPEAN MIXED BENT** is a natural mixture of Bents including true Creeping Bent, Velvet Bent, and a large percentage of Colonial Bent. Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft. Ask for prices.

**COLONIAL BENT GRASS** makes a fine close turf of excellent color. Spreads from the roots. Seed 3 lbs. per 1000 sq. ft. Ask for prices.

**SEASIDE CREEPING BENT GRASS.** This is a true unmixed creeping Bent grass seed. One or two top dressings a year will keep it in good condition.

Price, 1/4 lb., 35c; 1/2 lb., 65c; 1 lb., \$1.10; 2 lbs., \$2.20; 3 lbs., \$3.20; 5 lbs., \$5.25; 10 lbs., \$10.25; 15 lbs., \$15.00; 25 lbs., \$23.75.

#### Creeping Bent Stolons

They produce a fine turf in one season, but must have extra care. For \$16.00 we will send you enough runners and roots of the grass to plant 1,000 square feet. 500 sq. ft. for \$9.25; 250 sq. ft. for \$5.25. Express charges collect. If larger quantities are desired, ask for a special quotation. A leaflet about Creeping Bent Stolons will be sent upon request. Fall planting from the latter part of August to the latter part of September.



# A Garden Gift- for Your Gardening Friend

Nothing will so delight the garden lover as a gift of something for the garden. You may not know just what your friend most desires — whether a lily bulb of some prized variety, tulips of just the right color to fill a certain place, or an implement which will make her work in the garden easier. You may place the coveted treasure within her grasp by sending her a gift certificate from Vaughan's Seed Store, which can be exchanged for anything listed in our catalogs, which illustrate, describe and price everything a gardener needs or desires.

Below we publish a facsimile of Vaughan's Gift Certificate. Certificates are made out to bearer, so that no identification of the purchaser is required when they are presented. Order a gift certificate in the same way you would any item listed in this catalogue, and remit the amount for which you wish the certificate made out. For example, send \$5 for a certificate good for five dollars worth of merchandise. The certificate will be mailed to you, or to your friend, as you desire; and any card or message which you send will be enclosed with it.

A certificate may be used at once or held, if the recipient desires, until next spring.



**Facsimile of Vaughan's Gift Certificate**

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1932.		First pound or fraction	Each additional pound or fraction	Total Weight,
Local—Chicago or New York City.....		7c.	1c. (2 lbs.)	
First and Second Zone within 150 miles of either.....		8c.	1 1/2c.	
Third Zone within 150 to 300 miles.....		9c.	2c.	
Fourth Zone within 300 to 600 miles.....		10c.	3 1/2c.	
Fifth Zone within 600 to 1000 miles.....		11c.	5 1/2c.	
Sixth Zone within 1000 to 1400 miles.....		12c.	7c.	
Seventh Zone within 1400 to 1800 miles.....		14c.	9c.	
Eighth Zone all over 1800 miles.....		15c.	11c.	
			A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.	
			Amount for Postage	\$
				Grand Total

**Filled by.....** **Checked by.....** **Packed by.....**

Shipped by \_\_\_\_\_ Style of Package \_\_\_\_\_

Date \_\_\_\_\_ Book \_\_\_\_\_ Weight \_\_\_\_\_

# American Tulips of Proved Quality

War and blockade make it impossible this fall, as last, to import any bulbs from Holland, formerly our chief source of supply.

We list in this catalogue our own American grown tulips of Darwin, Cottage and Breeder Classes, produced in the Pacific Northwest, the most favorable section for tulip production.

**Largest Bulbs**—Prices on named varieties are for our largest size bulbs, but for some varieties second-size bulbs are also priced.

**Second-size bulbs.** Most bulbs offered elsewhere this fall, where size is not definitely specified, will be found to be second-size or smaller. Our bulbs of this size are not recommended for greenhouse use but are satisfactory for garden planting, where they produce beautiful flowers, but not the largest.

## Red Darwins

**Bartigon** (22 in.) Large flowers of fiery crimson with bright scarlet margin. One of the best of its color. Doz., \$1.65; 100, \$12.00. Second Size, Doz., \$1.40; 100, \$10.00. (Illustrated in Color on Cover B.)

**City of Haarlem** (27 in.) Here is a tulip we can recommend without hesitation. It can always be depended upon to make an excellent show, with its immense cups of cardinal red, shading to scarlet at edges of petals. The blue base is circled with white. Per doz., \$1.75; 100, \$13.00. Second Size: Doz., \$1.50; 100, \$11.00. (Illustrated in Color on Cover C.)

**Farncombe Sanders** (25 in.) Fiery rose scarlet, inside vivid cerise-scarlet with white center marked blue; flowers perfect shape. Doz., \$1.50; 100, \$11.00. Second Size, Doz., \$1.40; 100, \$10.00.

(Illustrated in Color on Cover C.)

**Harry Veitch** (24 in.) Brilliant blood-red with slightly lighter margin; blue base. Immense blooms on stout stems. An extremely brilliant color that lasts well. Per doz., \$1.65; 100, \$12.00. Second Size, Doz., \$1.50; 100, \$11.00.

**Pride of Haarlem** (28 in.) Vivid rose. An old standby that is deserving of a place in the best of gardens. Unsurpassable for fine color, reliable performance and enormous flower. Doz., \$1.40; 100, \$10.00. Second Size, Doz., \$1.25; 100, \$9.00. (Illustrated in Color on Cover B.)

**Prince of Wales** (28 in.) Bright cherry-red with a white base finely striped blue. Enormous flower on a tall, stiff stem. Doz., \$2.00; 100, \$15.00. Second Size: Doz., \$1.80; 100, \$13.00.

**Turner** (29 in.) Geranium-red, large flower, light blue base. Doz., \$1.50; 100, \$11.00.

**Prof. Rawenhoft** (28 in.) Gorgeous deep rose red. Very attractive even under difficult conditions. Doz., \$1.65; 100, \$12.00. Second Size, Doz., \$1.50; 100, \$11.00.

## Pink and Rose Darwins

**Afterglow** (26 in.) All the splendor of a glorious sunset seems to be reproduced in this wonderful tulip with its deep orange tints suffused with salmon, and edged apricot orange. Tall, stately grower. Doz., \$1.75; 100, \$12.50. Second Size, Doz., \$1.40; 100, \$10.00.

**Clara Butt** (20 in.) Newer and superior tulips may be found, but Clara Butt remains a favorite. It is a true pink, wholly free from lavender, a rare color and a charming flower. Doz., \$1.10; 100, \$7.50. Second Size, Doz., 80c; 100, \$5.50. (Illustrated in Color on Cover B.)

**King George V** (28 in.) An immense flower of brilliant rose with a light blue base. The color is dazzling in its brilliance, and this is without doubt one of the finest and most beautifully formed Darwins. Doz., \$1.80; 100, \$13.00. Second Size, Doz., \$1.50; 100, \$11.00.



IN THE FOREGROUND, TULIP BLUE EAGLE

## Darwin

Darwin tulips are characterized by a soft overtone which gives their colors a pastel effect. The flowers are cup-shaped and carried on tall, stiff stems. In color range they include all the rainbow hues, in amazing variety.

### Wheaton Collection 100 Giant \$11.50 Tulips, -

Ten each of the following outstanding varieties, (100 bulbs) will be sent postpaid for \$11.50.

- 10 Afterglow, salmon orange.
- 10 Farncombe Sanders, giant red.
- 10 Yellow Giant, yellow.
- 10 Inglescombe, yellow.
- 10 Princess Elizabeth, rose pink.
- 10 King George V, brilliant rose.
- 10 Mrs. Mandel, violet-blue.
- 10 Von Jehring, black purple.
- 10 Dillenburg, salmon orange shaded rose.

10 Carrara, giant white.

This collection of 100 bulbs of wonderfully blended colors will provide your garden with a display of which you may well be proud.

PINK AND ROSE—Continued

**Mme. Krelage** (27 in.) Very similar to Mme. Krelage Massachusetts, but the central pink band is a shade lighter and blends into the pale border. Earlier and tones off into lighter shades all over. Doz., \$1.25; 100, \$9.00. Second Size, Doz., \$1.00; 100, \$6.75. (Illustrated in Color on Cover B.)

**Princess Elizabeth** (26 in.) (Syn. Julie Vinot.) Large flower; soft rich rose toning to very rose at edges. Inside deep rose, white base. Highly recommended. Doz., \$1.25; 100, \$9.00. Second Size, Doz., \$1.15; 100, \$8.00. (Illustrated in Color on Cover C.)

**Rose Copeland** (27 in.) Sport of Wm. Copeland, rose-pink in color. Good for forcing or bedding. Doz., \$1.80; 100, \$13.00. Second Size, Doz., \$1.50; 100, \$11.00.

PINK AND ROSE—Continued

**Tennessee** (28 in.) Rosy carmine, yellow base edged blue. Sweet scented. Large flower on strong stiff stem. Doz., \$1.65; 100, \$12.00. Second Size, Doz., \$1.50; 100, \$11.00.

## Violet, Black and Purple

**Blue Eagle** (29 in.) (Black Eagle). Extra large cup-shaped flowers of the richest and most intense deep but brilliant purple; anthers are black, base a deep blue. Should be in every garden. Doz., \$2.00; 100, \$15.00. Second Size, Doz., \$1.80; 100, \$13.00.

**Dream** (25 in.) Pale violet changing to lavender, with lighter edge and clear blue base. We recommend this tulip as one of the best lilac colored varieties. Doz., \$1.65; 100, \$12.00. Second Size, Doz., \$1.50; 100, \$11.00.

**Faust** (30 in.) Dark satiny purple with blue base, very large and well formed, good forcer. Doz., \$1.75; 100, \$13.00. Second Size, Doz., \$1.65; 100, \$12.00. (Illustrated in Color on Cover C.)

**Jubilee** (28 in.) The most magnificent purple tulip. The flower is beautifully formed, deep rich bluish-violet shaded with purple. A flower of great beauty and long keeping qualities. Height, 28 inches. Doz., \$1.80; 100, \$13.00.

**La Tristesse** (25 in.) Slaty-mauve with silver margin and a violet and bronze reverse. A splendid contrast with the yellow Cottage tulips. Per doz., \$1.65; 100, \$12.00.

**La Tulipe Noire** (25 in.) Nearest of all to the black color. Doz., \$1.90; 100, \$14.00. Second Size, Doz., \$1.80; 100, \$13.00.

**Mrs. Mandel** (27 in.) Violet blue, flushed lilac, with large, white base. This variety may be forced very early in January. Excellent keeper, strong stem. Highly recommended. Doz., \$1.65; 100, \$12.00. Second Size, Doz., \$1.50; 100, \$11.00. (Illustrated in Color on Cover C.)

**Palissa** (26 in.) Clear violet, combines well with pink, yellow or orange varieties. Doz., \$1.25; 100, \$9.00.

**Philippe de Commines** (26 in.) Velvet. Doz., \$1.65; 100, \$12.00. Second Size, Doz., \$1.50; 100, \$11.00.

**Rev. H. Ewbank** (20 inches) Deep lilac, toning at the edges to pale lavender. Lighter in color and not so tall as Dream, white base. Distinct flat, open flower. Lasts well. Most popular of this shade. Doz., \$1.40; 100, \$10.00. Second Size, Doz., \$1.25; 100, \$9.00. (Illustrated in Color on Cover B.)

**William Copeland** (25 in.) (Sweet Lavender). Outside this variety produces flowers of fine rosy lilac, but is at its best when grown indoors during the winter. When forced indoors the flowers are the purest lavender of all tulips. Doz., \$1.40; 100, \$10.00. Second Size, Doz., \$1.15; 100, \$8.00.

**Zev** (27 in.) A fine violet-blue with lighter border. Flower is large and well formed. Doz., \$2.00; 100, \$15.00.



DARWIN TULIP YELLOW GIANT

## Yellow Darwin

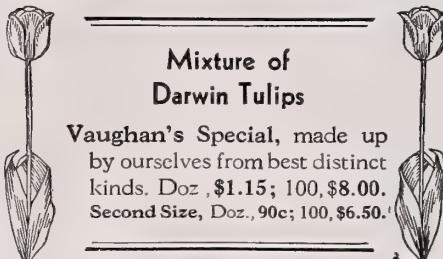
**Yellow Giant** (29 in.) A golden yellow tulip of great beauty and size, a large flower with black anthers. Tall and strong stem. This is the best of the several yellow Darwin tulips offered. Doz., \$1.50; 100, \$11.00. Second Size, Doz., \$1.25; 100, \$9.00.

(Illustrated in Color on Cover C.)

## Laciniated Darwin

(Illustrated in Color on Cover B.)

**Sundew** (25 in.) This flower is something entirely new in tulips. The curved petals are provided with barbs, giving the edges of the flower a fringed effect. It is said to be a natural sport of the popular variety Bartington, retaining the brilliant crimson coloring and magnificent size of its parent. Doz., \$1.50; 100, \$11.00.



### Mixture of Darwin Tulips

Vaughan's Special, made up by ourselves from best distinct kinds. Doz., \$1.15; 100, \$8.00. Second Size, Doz., 90c; 100, \$6.50.

## Tulip Fantasy

12 for \$1.65; 100 for \$12

Fantasy is the most beautiful of the Parrot tulips. Originating as a sport of the famous Clara Butt, the famous true pink Darwin, it has the color of its parent, and the enormous 3½ inch fringed petals of the Parrot type. A group of Fantasy tulips in your border will be a center of interest in the tulip season.

Argenta, Ill., Oct. 18, 1940.  
The tulip bulbs I ordered are the finest I have seen this year.

Mrs. Grace H. Bennett.

Port Townsend, Wash.  
The tulip bulbs received from you last fall were the nicest I have ever received from any place, bar none.

E. L. Camfield.

# Cottage Tulips

**COTTAGE** tulips are inclined to have pointed petals, sometimes turned back, and the blossom to be smaller and more slender. But they harmonize perfectly with the Darwins and Breeders and supply a quality of clear, bright color which these lack. They blossom a few days later than the Darwins, often carrying the flowering period of Spring bulbs into the early days of June, especially if planted in a shady position. Light shade also lengthens stems.

## Red and Orange

\***Gesneriana Major** (24 in.) From the time of opening until the petals fall, this tulip makes a marvelous display. The flowers are typical Cottage form; long, egg-shaped, deep red in color, with dark blue base. Doz., \$1.65; 100, \$12.00.

**Caledonia** (25 in.) Orange-scarlet, yellow base marked greenish black. Doz., \$1.40; 100, \$10.00.

**Grenadier** (20 in.) Magnificent light orange. When the sun shines on a fully expanded flower of this variety the color is dazzling. Flower long, on graceful stem. Doz., \$1.65; 100, \$12.00.

**Orange King** (23 in.) Deep orange, inside of cup deep orange-scarlet with yellow center. Globular flower, sweet-scented. Doz., \$1.40; 100, \$10.00. Second Size, Doz., \$1.15; 100, \$8.00. (Illustrated in Color on Cover B.)

## Pink and Rose

**Dido** (26 in.) Superb in form, poised erect on a straight stem, we know of no other tulip that has more fragrance and brilliant coloring than Dido. It is a deep, rich pink with salmon lights, suffused and slightly edged orange. Doz., \$1.80; 100, \$13.00.

**Inglescombe Pink** (24 in.) Warm pink tinged orange near edges of petals when it first opens. Age makes this tulip more beautiful, as after the first few days it changes to pure pink. Doz., \$1.65; 100, \$12.00. Second Size, Doz., \$1.40; 100, \$10.00.

**John Ruskin** (24 in.) Large egg-shaped bloom of graceful form and habit. Flowers are salmon and rose with pale yellow margin; inside heliotrope with golden border and base. Really a masterpiece in color and shape. Doz., \$1.65; 100, \$12.00. Second Size, Doz., \$1.40; 100, \$10.00.

**Maiden's Blush** (20 in.) The old English Maiden's Blush. Picotee; snow-white with a margin of rose. The petals are very pointed and reflex beautifully. Doz., \$1.40; 100, \$10.00. Second Size, Doz., \$1.25; 100, \$9.00.

(Illustrated in Color on Cover B.)

**Rosabella** (18 in.) This graceful tulip can be compared to the loveliness of a rose bud. Pure pink in color, it possesses great charm. Doz., \$1.65; 100, \$12.00.



TULIP FANTASY IN FOREGROUND



Tulip Inglescombe Yellow Growing in Oregon

## Yellow

**Argo** (22 in.) While the flower is not large, it stands out amongst all others for its rich color. It is deep golden yellow, slightly penciled toward the top edges with orange, which deepens as the flower ages. Doz., \$1.50; 100, \$11.00.

**Avis Kennicott** (22 in.) Long, pointed flower, very large, deep chrome-yellow, with striking black base. A tone that contrasts beautifully when planted with blue-bells (Mertensia). Doz., \$1.50; 100, \$11.00.

\***Ellen Willmott** (20 in.) Long pointed bloom of pale primrose yellow. Wonderfully pure in color and sweet-scented. Doz., \$1.50; 100, \$11.00. Second Size, Doz., \$1.25; 100, \$9.00.

**Gesneriana Lutea** (20 in.) A very shapely bloom of the purest yellow; distinctly sweet-scented. One of the best yellow tulips in existence for color and perfume. Doz., \$1.40; 100, \$10.00.

**Inglescombe Yellow** (18 in.) A fine large, globe-shaped flower, color full rich yellow; sometimes called the Yellow Darwin. Doz., \$1.15; 100, \$8.00. Second Size, Doz., 90c; 100, \$6.50.

(Illustrated in Color on Cover B.)

**Marvel** (25 in.) Amber-yellow, with rosy lilac flush at center of petals; inside bright yellow, shaded brown toward base with green star. Medium sized flower, becoming quite yellow with age. Doz., \$1.80; 100, \$13.00.

**Moonlight** (20 in.) Long, narrow flower of beautiful pale yellow. Opens two or three days sooner than most yellow Cottage tulips. Doz., \$2.00; 100, \$15.00.

## White

**Carrara** (22 in.) This tulip has created a sensation at spring flower shows. Pure white, very large. Doz., \$1.90; 100, \$14.00. Second Size, Doz., \$1.65; 100, \$12.00.

**Miss Blanche** (20 in.) Pure white tulip of Darwin shape with squared petals. Doz., \$1.50; 100, \$11.00. Second Size, Doz., \$1.25; 100, \$9.00. (Illustrated in Color on Cover C.)

**Vesta** (25 in.) White, good for late forcing or bedding. Doz., \$1.65; 100, \$12.00. Second Size, Doz., \$1.40; 100, \$10.00.



### MIXTURE

#### Cottage Tulips

#### Vaughan's Special

AN excellent collection of named varieties, giving a dazzling display in mass. Splendid for cutting. Doz., \$1.15; 100, \$8.00. Second Size, Doz., 90c; 100, \$6.50.





On left two rows of our American grown Louis XIV tulips, taller and larger than two rows of imported Dutch bulbs of the same variety, to right.

## Breeder

Breeder tulips blossom in May, and produce even larger blossoms than the Darwins. The colors include many rare among flowers—browns, bronzes, purples, blue-blacks, deep mauves, dull gold and dark lilac all exquisitely blended.

**PLANTING.** Plant the same as Darwins.

**Bronze Queen** (28 in.) Soft buff, inside tinged golden bronze, good forcer. Doz., \$1.15; 100, \$8.00. Second Size, Doz., \$1.00; 100, \$6.75.

**Cardinal Manning** (34 in.) Bishop's purple, flushed rosy bronze changing to an almost pure orange at the extreme edges of the petals, tinged yellow base. Large egg-shaped. Doz., \$1.90; 100, \$14.00.

**Dillenburg** (27 in.) A glorious salmon orange, shaded rose. The flowers are large and borne on strong, stiff stems. Highly recommended for exhibition purposes but should not be used for early forcing. Doz., \$1.50; 100, \$11.00. Second Size, Doz., \$1.25; 100, \$9.00.

**Louis XIV** (36 in.) Since it was introduced twenty years ago, this variety has been considered by many good judges to be the finest of all tulips. Others may match it in height, in size, or in rich coloring; but no rival which equals it in all these qualities is yet to appear. In the garden it is always magnificent, and as a cut flower its rich blend of purple and gold is truly royal. Offered by us in 1918 at \$13.00 a dozen, increased production has brought its price down to a minimum, but its beauty remains unchanged and unrivaled. Doz., \$2.00; 100, \$15.00.

**Lucifer** (28 in.) An assembly of very capable judges of flowers pronounced this variety the most beautiful of the orange-red tulips. Very late flowering, tall stem, and very brilliant color. Good form and excellent substance. Doz., \$2.00; 100, \$15.00.

**Prince of Orange** (25 in.) Orange-scarlet, edged light yellow flower of striking beauty. Doz., \$1.80; 100, \$13.00.

**Rayon d'Or** (27 in.) Bright golden bronze, edged bronzy-yellow, olive center. Large, well-formed flower. Doz., \$2.00; 100, \$15.00.

**Turenne** (25 in.) A remarkably fine tulip of rich purple, broadly margined amber. Doz., \$2.00; 100, \$15.00.

### Vaughan's Special Mixture of Breeder Tulips

An excellent collection of this popular class of Tulips, including many rare colors. Doz., \$1.15; 100, \$8.00.

# Single Early

TWO OR THREE weeks of brilliant color in April, following the daffodils and preceding the Darwin tulips, are supplied by the early tulips and among them can be found varieties as beautiful and with flowers as large as anything the May-flowering classes can produce.

**Explanatory.** The number following the name of the variety denotes the height in inches, while the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late.

### Yellow and Orange

**General DeWet** 10a. Beautiful deep orange, shaded golden yellow at the base of the petals. A very fragrant flower and one of the finest varieties in cultivation. There is no other orange variety which equals it in brilliancy. It is therefore one of the showiest bedders, and as it forces splendidly we can recommend it for all purposes. Doz., \$2.00; 100, \$15.00.

**Rising Sun** 8a. The brilliancy of its name sake is seen in the golden beauty of this magnificent tulip. Large, of good form, and sturdy growth, it is an ideal tulip for bedding and border. Doz., \$1.65; 100, \$12.00.

**Yellow Prince** 8a. Golden yellow, fine forcer. Doz., \$1.40; 100, \$10.00.

### Single Scarlet and Crimson

**Cramorse Brilliant** 7b. A splendid deep scarlet. Doz., \$1.50; 100, \$11.00.

**Fred Moore** 10b. Beautiful, large orange scarlet flowers with lighter edge. Doz., 1.40; 100, \$10.00.

**Prince of Austria** 8a. Orange-vermilion. Doz., \$1.65; 100, \$12.00.

### Pink and Rose

**Diadem** 9a. A very beautiful, large flowered pearly pink tulip, with the interior slightly darker rose pink. This variety is outstanding because of its extreme earliness and tall, strong stem. Doz., \$1.65; 100, 12.00.

### New Race of Triumph Tulips

NOT since the Darwin race was introduced, has so great an improvement been made in the tulip family, as in the new Triumph class. Here are early tulips—coming at a time when every bit of color in the garden is more precious because there is so little of it—with stems as tall, flowers as large and colors even more brilliant than the Darwins. A hybrid of the Darwin and early singles, the Triumph tulips have a distinctive beauty of their own, and a clear luminous color quality which will make you treasure them. Two full weeks are added to the tall tulip season by planting these.

**★Kansas** (22 in.) Snow white, lemon yellow center. Doz., \$1.80; 100, \$13.00. Second Size, Doz., \$1.50; 100, \$11.00.

**Mr. Zimmerman** (20 in.) Pink flushed silvery white. Doz., \$1.65; 100, \$12.00. Second Size, Doz., \$1.40; 100, \$10.00.

**Telescopium** (23 in.) Violet rose, strong flower on stiff stem. Doz., \$1.80; 100, \$13.00. Second Size, Doz., \$1.50; 100, \$11.00.



TULIP KEIZERSKROON

### Striped

**Keizerskroon** 10b. This variety has been familiar from childhood. It is one of the oldest, as it is, assuredly, one of the best of early Dutch varieties. The huge flower is bright red, nearly scarlet, edged with yellow; it is self-confident, the margin is broad and clearly defined, the flower is seen and recognized from afar. It remains a distinctive flower, a great bedding tulip, and one quite good for forcing. It is a strong, healthy grower, and a bed of it will bring into the early spring garden some of the color and joy for which we have longed for so many months. Doz., \$1.80; 100, \$13.00.

### Single White

**White Swan** 15b. Tall, large flowered, one of best white tulips. Doz., \$1.65; 100, \$12.00.

### Vaughan's Special MIXTURE Single Early Tulips

All the colors are included in this mixture, growing to approximately the same height, producing the correct effect in beds. Doz., \$1.40; 100, \$10.00.



Model Stands in Block of Triumph Tulip Telescopium Growing in Oregon.

# Plant Daffodils This Fall

## All Our Bulbs Are American Grown

### 12 Daffodils for Naturalizing, \$1.00

12 Bulbs, \$1.00; 100 Bulbs \$6.50; 1,000 Bulbs, \$60.00, Prepaid.

DAFFODILS are the first major flowers to bloom in the spring. By nature they are informal flowers, and look best when grown in drifts, in the shrubbery or under trees. They like to nestle among the roots of shrubs, and as they bloom before the leaves develop, they thrive in places which later in the season are well shaded. Our naturalizing mixture is an exceptional value, containing many of the best named Trumpet, Leedsii, Star and Poeticus varieties. Plant them and do not disturb until they crowd; the bulbs may then be lifted and replanted over a much larger area. A purchase of bulbs is an investment which will pay in bloom for a lifetime.

25 Daffodils for \$1.50. Smaller bulbs but of flowering size, packed in a special decorated bag with cultural instructions. Prepaid.

WITH WAR in Europe curtailing the supply of all imported bulbs, this fall we offer exceptional opportunities to enrich your garden with daffodils, first major flowers of spring.

The extensive daffodil production which has been built up in this country during the last fourteen years provides a plentiful supply of first quality bulbs, including most of the finest new varieties.

We offer a complete list of standard varieties, and novelties, all grown in the Pacific Northwest, where experience has proved the highest quality bulbs are produced.

DAFFODILS are the first of the major garden flowers to blossom in the spring. This makes them doubly precious, as heralds of a season of joy, after the long winter.

#### Where to Plant Them

Daffodils are particularly fine subjects to plant under the edge of bushes or among perennials in the hardy border as they seem to like to nestle among the roots of their neighbors. A clump of golden trumpets peeping from beneath the overhanging branches of Spiraea Van Houttei or nestling in a sheltered angle of a building are one of the gladsome sights of early spring.

A few bulbs can be tucked into odd corners all about the garden and they will repay mightily when the first sunny days of spring bring their sturdy shoots breaking through the earth.

Daffodils and narcissus need not be moved for several years if they are flourishing, in fact not until the clump becomes so large that it is evident it needs to be divided and they should be replanted at once.



WARWICK (Trumpet)

#### Trumpet

**Aerolute** A golden giant with flowers beautifully proportioned, perianth deep primrose, with a pure medium yellow trumpet left in bold relief by outer petals, an inch and a half wide; medium early, but one of the longest lasting of all daffodils either in the garden or after being cut. Each, 25c; doz., \$2.25; 100, \$14.00.

**Emperor** A magnificent sort. The entire flower is a rich yellow trumpet of immense size and petals so broad that they overlap. Each, 15c; doz., \$1.50; 100, \$10.00.

**Glory of Sassenheim** Flowers large and erect, with creamy white perianth of remarkable breadth and good quality; the trumpet is a clear rich yellow and frilled at mouth. Each, 15c; doz., \$1.50; 100, \$10.00.

(Illustrated in Color on Back Cover)

**King Alfred** "The King of Yellow Daffodils." Tall, vigorous, golden yellow flower, of elegant form. The expanded trumpet measures 2 1/2 inches in diameter, the perianth proportionately large and segments gracefully twisted. Height, 24 inches. Double Nose Bulbs. Each, 25c; doz., \$2.25; 100, \$14.00. First size Bulbs, Each, 15c; doz., \$1.50; 100, \$10.00.

(Illustrated in Color on Back Cover)

**Lovenest** The trumpet of saffron yellow turning apricot pink, giving a distinct pink tone to the flower, making a beautiful color blend entirely new to the daffodil race. This variety is one of the daintiest of all trumpets, medium in height. Very early. Each, 50c; doz., \$5.00.

**Mrs. R. O. Backhouse** This is the famous "pink daffodil"; perianth of ivory white, and long trumpet of apricot pink, changing to shell pink at the deeply fringed edge; delicately beautiful, but of exceptional substance; long lasting; early. Full sun bleaches out color. Each, \$1.25; Doz., \$13.00.



ALBA PLENA ADORATA (Double)



NARCISSI NATURALIZED IN THE WOODLAND

**La Vestale** Giant trumpet type with pure ivory-white perianth, of informal design, with trumpet of deep cream-yellow, tall, fine for small groups or naturalizing in dim shade; though of delicate appearance, it is of good substance and lasts well; early. Each, 35c; doz., \$3.50; 100, \$23.00.

**Olympia** A giant flower rivaling Van Waveren, giant in size; sulphur-yellow perianth, handsome yellow frilled trumpet. Each, 20c; doz., \$1.75; 100, \$11.25.

**Spring Glory** A very early showy bicolor daffodil with large white perianth, broad and spreading, trumpet large and handsome, bright yellow with open frilled mouth. Each, 15c; doz., \$1.50; 100, \$10.00.

**Tresserve** A flower very large with slightly campanulate canary-yellow perianth and a very bold rich yellow trumpet with wide expanded brim deeply flanged and measuring 2 1/4 inches across. Height, 17 in.; a fine exhibition variety. Each, 20c; doz., \$1.70; 100, \$11.00.

**Van Waveren's Giant** A giant trumpet perianth, trumpet bright yellow with very large open mouth, flanged at brim. Ht., 18 in. Each, 30c; doz., \$2.75; 100, \$19.00.

**Warwick** Another of the striking King Alfred seedlings outstanding in every way and very early; refined stem and neck bearing a star-shaped perianth of great substance; golden yellow, with trumpet a shade deeper in color. Each, 25c; doz., \$2.25; 100, \$14.00.

#### Double Varieties

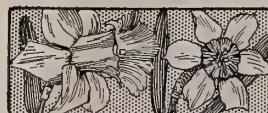
**Alba Plena Odorata** The well-known double white, scented form of Poeticus; sometimes called the gardenia-flowered Narcissus. Late-flowering, and will not force. Each, 15c; doz., \$1.25; 100, \$8.00.

**Argent** Nicely built flower of white and canary yellow; attractively formed, resembling a carnation, a cross between Von Sion and Poeticus Ornatus. Each, 15c; doz., \$1.35; 100, \$9.00.

**Indian Chief** Very large and very double, bright yellow interspersed with orange; the petals curled and twisted. Each, 20c; doz., \$1.85; 100, \$12.00.

**The Pearl** Creamy white, interspersed with sulphur yellow, deeper at center; charming. Each, 15c; doz., \$1.35; 100, \$9.00.

**Twink** It is double, of the semi-full type, the petals alternating a soft primrose and clear orange, free-flowering and hardy. Each, 20c; doz., \$1.85; 100, \$12.00.



DIANA KASNER (Barrii)

### Barrii

Thanks to the brilliant contrast effects due to color in the cup, the Barrii type is contributing many improved varieties to the daffodil list and it is here that further progress may be expected. The flowers have a character and grace which make them charming either for cutting or garden display.

★**Bath's Flame** A fine variety yellow perianth with darker cup deeply edged orange-scarlet. Each, 15c; doz., \$1.50; 100, \$10.00. (Illustrated in Color on Back Cover.)

**Conspicuous** A flower of exquisite beauty, unexcelled for cutting; large, broad-spreading perianth; broad, short cup, conspicuously edged bright orange-scarlet. Lasts long in water. Each, 15c; doz., \$1.25; 100, \$8.00.

★**Diana Kasner** A pure white perianth and a large fluted yellow cup with blood-red frill, very free-flowering and an excellent forcer. We consider this variety as one of the most valuable introductions and cannot recommend it too highly for show purposes. Each, 15c; doz., \$1.50; 100, \$10.00.

**Early Surprise** A little beauty; semi-dwarf habit of growth; pure white perianth with orange colored cup, fine for naturalizing and the earliest for forcing of this type. Each, 15c; doz., \$1.25; 100, \$8.00.

★**Firetail** Deservedly popular the world over; broad petalled creamy-white perianth and large orange cup with scarlet-orange frill. Each, 35c; doz., \$3.50; 100, \$25.00.

★**Lady Moore** Pure white perianth; yellow cup with orange frill; substantial flower remaining in good condition even where many other varieties "burn"; late, but an excellent forcer. Each, 25c; doz., \$2.15; 100, \$13.00.

★**Mrs. Barclay** Large flower with flat, reflexed, broad petalled overlapping perianth of pale primrose, changing to pure white; deeply frilled flat cup of primrose-yellow, with dainty orange picotee. Each, 20c; doz., \$1.85; 100, \$12.00. (Illustrated in Color on Back Cover.)

**Mrs. Walter Brewster** perianth of pure white; flat cup, lemon yellow, edged with ox-blooded. Each, 20c; doz., \$1.75; 100, \$11.25.

★**Nursemaid** White perianth with beautiful red cup; very free flowering. Each, 15c; doz., \$1.50; 100, \$10.00.

**Sunrise** Pure star-shaped white perianth, with distinct golden rays extending up each petal from the base of the cup; small cup of clear yellow-orange. Each, 15c; doz., \$1.35; 100, \$9.00.

**Red Beacon** A lovely flower which immediately attracts one by its brilliantly colored cup; the perianth is ivory-white, broad and of great substance, slightly shaded sulphur at base, cup prettily fluted and of the most intense fiery orange-red, shading down to golden-orange; ht., 15 in. Each, 20c; doz., \$1.75; 100, \$11.25.

**Seagull** Large broad petalled perianth, slightly reflexed pure white, giving an effect suggestive of the name as the flowers seem to float above the foliage; cup light yellow, with red picotee edge; free-flowering; extremely tall; late, fine for naturalizing. Each, 15c; doz., \$1.25; 100, \$8.00.

# Daffodils or Narcissi

### Incomparabilis

This class includes many of the most beautiful and useful Daffodils for bedding, naturalizing and border planting. Strong growers, hardy and free bloomers. Forced for winter flowers, they are splendid.

★**Bernardino** Perianth creamy white, cup yellow low edged orange, very free-flowering. Each, 15c; doz., \$1.35; 100, \$9.00.

★**Croesus** Universally popular both for the garden and for exhibition; light canary-yellow perianth of perfect form, with outer petals nearly touching, the inner ones over-lapping, opening flat; broad fluted cup of rich orange to base; substantial, free-flowering. Each, 15c; doz., \$1.50; 100, \$10.00.

★**Helios** Deep golden yellow perianth, semi-overlapping; the cup opens a little darker than the petals and in a cool climate gradually changes to light orange. Each, 20c; doz., \$1.70; 100, \$11.00.

★**John Evelyn** Deservedly an international favorite; outstanding among the new Incomparabilis hybrids; flatly opening perianth, 4 to 5 inches across, with a flat cup nearly 2 inches in diameter, densely frilled, the perianth being pure white, without trace of shading, and the cup lemon yellow and fluted or shirred to the base. Each, 25c; doz., \$2.25; 100, \$14.00.

★**Mi-Careme** Another of the Loudspeaker type, perianth somewhat lighter, trumpet deeper in color; less flaring and more deeply frilled; a little earlier than Loudspeaker. Each, 15c; doz., \$1.50; 100, \$10.00.

(Illustrated in Color on Back Cover)

★**Sir Watkin** A well-known daffodil, excellent for large plantings, or growing in pots. Full perianth of pure yellow with large, rich, golden trumpet. Each, 15c; doz., \$1.25; 100, \$8.00.

**Will Scarlet** Medium-sized flower of informal habit; reflexed perianth, petals often slightly curled; good cup of yellow ochre with flaming orange-scarlet edge; fine for the rock garden. Each, 15c; doz., \$1.50; 100, \$10.00.

★**Yellow Poppy** Well-formed flowers with overlapping primrose-yellow perianth and expanded shallow cup, bright yellow, edged orange, height 20 inches. Excellent. Each, 15c; doz., \$1.25; 100, \$8.00.



BERNARDINO (Incomparabilis)

### Leedsii

Have white perianths with white or sulphur trumpets. Most beautiful class for cutting.

★**Evangeline** A tall dancing daffodil with reflexed, star-shaped, white perianth and lemon yellow cup; fine for naturalizing. Each, 15c; doz., \$1.50; 100, \$10.00.

**Hera** Broad-petaled creamy white perianth, star-shaped and deeply frilled cup of creamy white with a dainty edging of light primrose. Each, 10c; doz., \$1.00; 100, \$6.50.

(Illustrated in Color on Back Cover)

**Lord Kitchener** Broad, flat, pure white perianth, very pale primrose crown. Each, 15c; doz., \$1.50; 100, \$10.00.

**Mrs. Nette O'Melveny** A dancing daffodil with pure white perianth and cup of clear lemon-yellow, with orange picotee; splendid foliage, tall, graceful stem, and good neck; in every way a delightful flower. Each, 15c; doz., \$1.35; 100, \$9.00.

**Queen of The North** Strong flower with broad white perianth, lemon cup prettily fluted. Each, 15c; doz., \$1.50; 100, \$10.00.

★**Silver Star** Perfect broad-petaled star-shaped perianth of pure cream-white, with finely proportioned, wide mouthed trumpet of primrose, changing to cream white, just a shade deeper than the perianth. Each, 20c; doz., \$1.85; 100, \$12.00.

### Jonquils

Jonquils are graceful, sweet-scented flowers which thrive well in a moist, shady position in borders. Flowers are arranged on the stem in a cluster.

**Jonquilla Simplex** Jonquil, of light elegant growth, bearing out of doors in May clusters of numerous small rich yellow flowers of delicious scent. Each, 15c; doz., \$1.50; 100, \$10.00.

**Jonquilla Flore-Pleno** sweet jonquil, produces in May little heads of rich yellow double flowers, very fragrant and attractive for cutting. Each, 20c; doz., \$1.85; 100, \$12.00.

**Golden Sceptre** A medium-sized perfectly built flower of deep Jonquil-yellow, 3 inches or more in diameter. The whole flower, as with the others in this class, is of the greatest substance, keeping in perfect condition exceptionally long both in the garden and when cut. Each, 15c; doz., \$1.35; 100, \$9.00.



SILVER STAR (Leedsii)

### Poetaz

Crossing of *Poeticus* and *Polyanthus* varieties produced this perfectly hardy strain of bunch-flowering Narcissus. Do well planted in pots for winter flowers.

**Cheerfulness** The double Elvira, a very pleasing double white Poetaz, good stems, a fine garden and show flower. Each, 15c; doz., \$1.50; 100, \$10.00.

(Illustrated in Color on Back Cover)

**Elvira** Pure white perianth with golden yellow eye. Each, 15c; doz., \$1.25; 100, \$8.00.

★**Laurens Koster** Perianth white, cup light orange-yellow. Each, 15c; doz., \$1.50; 100, \$10.00.



POETICUS

### Poeticus

The pure white perianth and all-red or picoteed cup, and delicious perfume, peculiar to itself, makes this one of the most popular of all Narcissi.

Of all the hardy types this is probably the one most likely to thrive and multiply in the garden. Bulbs should not be lifted for several years, until they appear to be crowding, then they may be lifted, divided and replanted over a much larger area. Avoid poorly drained places.

**Glory of Lisse** perianth bright red margined eye. Each, 15c; doz., \$1.30; 100, \$8.50.

**Horace** Large star shaped perianth, gleaming white broad petals with flat eye, yellow edged red. Each, 15c; doz., \$1.30; 100, \$8.50.

**★Ornatus Maximus** A much improved form of the ordinary Poeticus, producing larger flowers and appearing two weeks earlier. Each, 10c; doz., 1.00; 100, \$7.00.

(Illustrated in color on back cover.)

**Poeticus (Common Pheasant's Eye)** The Narcissus for garden planting; pure white with scarlet-edged cup or eye. Fine for naturalizing, being hardy and increases readily in numbers; late. Each, 10c; doz., \$1.00; 100, \$7.00.

### Miniature Daffodils

The following are charming little subjects for rock work, where their dainty flowers are seen to perfection. They should be left undisturbed for years, and if happy will soon establish themselves and afford a lovely picture in early spring. All the Bulbocodium like moisture, and should therefore be planted at the foot of the rockery. When in bud water freely.

**Bulbocodium Conspicuum** Yellow Petticoat, flowers rich golden-yellow, height 6 inches. Each, 15c; doz., \$1.25; 100, \$8.00.

**Pearly Queen** Triandrus hybrid, 2 or 3 flowers to a stem; star-shaped cream-white perianth, with clear lemon-yellow short trumpet; distinct pearly sheen provides the name; drooping habit; free flowering and a strong grower. Each, 15c; doz., \$1.50; 100, \$10.00.

**Moonshine** A beautiful Triandrus hybrid, often 3 to a stem, drooping gracefully, very beautiful and a great favorite, especially for the rock garden or for naturalizing in the shade. Each, 25c; doz., \$2.35; 100, \$15.00.

**Thalia** Two or three lovely pure white flowers per stem, 2 inches or more across, making a beautiful cluster. Very suitable for the rock-garden or for forcing. Each, 25c; doz., \$2.50; 100, \$17.00.

**Triandrus Agnes Harvey** A beautiful chalice-cupped hybrid, perianth snow-white, cup pure white sometimes flushed a soft apricot, one to three blooms on a stem, slightly drooping, height 13 inches. Each, 30c; doz., \$2.75; 100, \$20.00.

### Cyclamineus Hybrids

Cyclamineus hybrids have perianths reflexed as in a cyclamen.

**February Gold** Perianth golden yellow, trumpet fringed orange; very early. Each, 30c; doz., \$2.75; 100, \$20.00.

# Hardy Bulbous Iris You Can Grow in the Garden

ADMIRERS of the iris will find this group to be valuable additions to their collections. Flowering in late June and early July, they follow the bearded and Siberian irises, prolonging the display and producing flowers of a distinct type and quality of coloring. The colors are clear and brilliant, and the petals are delicate, but of excellent substance. They make quality cut flowers, lasting fully a week in water.

The Dutch iris have displaced the Spanish iris, from which they were developed. Both they and the English iris are successfully grown in localities which have sub-zero temperatures in the winter. In the cold winter states they should have the protection of a heavy mulch, applied after the ground has frozen and should be planted in a location where spring growth is not unduly stimulated, so they will not get a premature start, and suffer injury from belated frosts.

Bulbs should be dug each year after foliage has turned brown. They should be cured quickly in a dry location, and only the largest bulbs should be replanted for flowering. The smaller bulbs can be grown in a nursery row until they reach flowering size. The increase is rapid and bulbs which are not lifted will crowd and stop flowering.

### ENGLISH IRIS

These magnificent bulbous irises thrive in any ordinary garden soil but prefer a good loam. The earlier the planting, after beginning of September, the greater the success; the bulbs should be planted 4 inches deep. The varieties we have especially selected as being the very finest and most distinct in cultivation, and they will be found as strikingly beautiful in color as many of the sumptuous orchids. They flower from end of June to beginning of July thus succeeding the Bearded Flag Irises, Early Xiphium and Spanish Irises. As cut flowers they take a first place.

**KING OF THE BLUES.** Dark blue.

**LAMARTINE.** White, carmine rosy flakes.

**LUCINDA.** Porcelain blue, blue flakes.

**PRINCE ALBERT.** Delicate silvery blue.

**PRINCESS IRENE.** Very large snow white.

**PROCRISPINE.** Deep ruby, dark flakes.

**QUEEN OF THE BLUES.** Light blue.

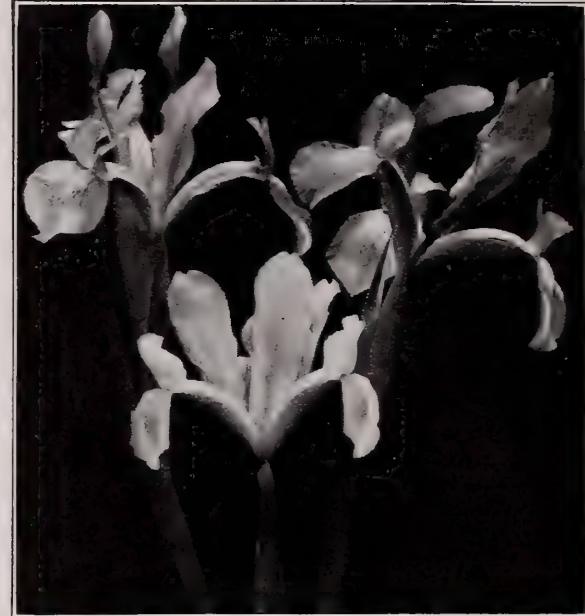
**THE GIANT.** Rich deep blue.

Each, 15c; doz., \$1.50; 100, \$10.00.

**Mixed Colors:** Each, 10c; doz., \$1.00; 100, \$7.00.

### IRIS TINGITANA WEDGEWOOD

For indoor use and protected plantings. A seedling of the old favorite Tingitana that is just as early, but a much more reliable bloomer. The small cultivator will do better to plant his bulbs, six or eight according to size, in a seven- or eight-inch pot, rather than in ordinary shallow boxes. Not only are bulbous irises deep rooting but they are very sensitive to root injury. If after boxing, they are stood on the ground or on ash-covered beds and root through at the bottom, it is hundred to one that half of them will come blind if the boxes are disturbed. In deep pots the roots are less likely to root through at the bottom, and treated rightly in other ways, they will flower 100 per cent. They must be kept cool, 45 degrees or so, until the buds are out of the neck. A great cut flower. Light blue in color 8-9 cms. for outdoor planting. Doz., 55c; 100, \$3.50; 1000, \$30.00. 10 cms. up for indoor growing, doz., \$1.35; 100, \$8.50; 1000, \$80.00.



DUTCH IRIS

### DUTCH IRIS

They resemble the Spanish Iris, but their habit of growth is more vigorous, and the flowers larger. Buds open at least two weeks before the Spanish Iris, and immediately after the last of the May flowering tulips are gone. Through untiring years of hybridization, they not only surpass the Spanish Iris in size and sturdiness of growth, but also in brilliancy of color.

**A. BLOEMAARD.** Standards dark purplish blue, falls lighter blue, very large flower, early.

**D. HARING.** Flower large, standards white, tinged lavender. Falls creamy white, with conspicuous golden blotch. Very beautiful. Height, 30 inches.

**EARLY SNOW.** Tall early white.

**FILIFOLIA IMPERATOR.** One of the most popular florist's varieties. The flowers are large, dark blue, brilliant orange blotch. Very showy, strong grower, highly recommended. Mulch well the first year. Height 27 inches.

**J. W. DE WILDE.** Rich golden yellow; handsome. Height, 26 inches.

**POGGEBEECK.** Brilliant dark blue.

**WHITE EXCELSIOR.** Large beautiful flowers of pure white.

**YELLOW QUEEN.** Uniform pure yellow. Excellent variety.

Any of the above varieties: Doz., 60c; 100, \$4.00; 1,000, \$35.00.

**Mixed.** Doz., 50c; 100, \$3.50; 1,000, \$30.00.

### IRIS RETICULATA

**Fragrant Iris—Hardy with Protection**

**RETICULATA.** This lovely species is one of the treasures of the garden or rock garden. It can best be described as a small form of the Spanish or Dutch Iris. Its main value lies in the fact that it may be forced into bloom in the house with the greatest ease. Six or eight bulbs put into a 4 or 5-inch pot when received will bloom about Christmas time. The fragrant blossoms remind one of a bunch of fresh violets. Perfectly hardy with reasonable protection. It is one of the loveliest early flowering bulbs for the rockery. To show it off well, plant a number of bulbs under the white *Arabis Alpina*; you'll enjoy the results more than we can tell you. Each, 20c; doz., \$2.00; 100, \$15.00.

# Miscellaneous Bulbs



MUSCARI

## ALLIUM

Perfectly hardy, easily grown, and well adapted to rock gardens or to plant with other small bulbs. **Cernuum True, The Nodding Onion.** Has a rhizome-like root and quickly makes colonies with many 6 to 10 in. flowering stems and nodding clusters of little bell-like very soft pink flowers. Likes light shade and moisture. Doz., \$1.75; 100, \$12.00.

## ANEMONE (Windflower)

They succeed best in light, rich, well-drained loam. Plant in early October, cover with leaves, straw or long manure. Plant very shallow.

**His Excellency.** Large, bright red, semi-double, showing black center and suggesting a red poppy. Doz., 75c; 100, \$5.00; 1000, \$45.00.

**Blue Poppy.** Large single poppy-like flowers in varying shades of blue. Doz., 75c; 100, \$5.00; 1000, \$45.00.

**De Caen.** A real selected strain. This mixture contains many fine shades of blue, white and reds. Mixed. Doz., 65c; 100, \$4.50; 1000, \$40.00.

**St. Bridgid.** Flowers range from the deepest crimson to the purest white, embracing cobalt, scarlet, rose, salmon-pink, and heliotrope. Most are semi-double. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

**Sylphide.** Large violet flowers on tall stems. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

## BRODIAEAS

**Coccinea.** The Floral Firecracker, has stems rising to 2 feet, while the flowers are a vivid crimson tipped with pea-green. They prefer a loose soil, and preferably gritty. Each, 20c; doz., \$1.75; 100, \$12.00.

**Capitata.** California Hyacinths. The stem is slender, capped with a head of violet-blue flowers. They revel in hot, dry places among rocks or in grit, and flower very early. Doz. 65c; 100, \$4.50; 1,000, \$40.00.

**Ixioides Splendens** is popularly known as **Golden Star.** The finest yellow. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

## CALOCHORTUS

### True Mariposa, or Butterfly Tulips

Cup-shaped flowers, one to many on a stem, marked with eyes and dots and pencilings in rich colors.

**El Dorado.** From 1 to 2 feet high, flowers vary through white, lilac to purple and pink to deep claret-red. They thrive best in porous soil, sandy or gritty, either in sun or light shade. Flowers are 2 to 4 inches in diameter.

**Venustus Citrinus.** A most satisfactory hardy species with deep rich yellow flowers, black eye. Either of above: Doz., 80c; 100, \$5.50; 1,000, \$50.00.

## CAMASSIA

Camassias go four inches underground, about five inches apart. The flowers are starlike, borne on long spikes, the colors being lavender, purple or white.

**Leichtlini.** Comes in deep blue and white. Either color, each, 15c; doz., \$1.25; 100, \$8.00.

**Esculenta.** Light blue flowers borne gracefully erect. Height, 18 inches to 2 feet. Each, 10c; doz., 60c; 100, \$4.00; 1,000, \$35.00.

## GRAPE HYACINTHS (Muscari)

Muscari, or Grape Hyacinths, are a race of spring-flowering bulbous plants which thrive in American gardens. They are not showy when only a few are seen together, but a drift of them presents a picture of beauty, especially if planted with late tulips, for which purpose they are well adapted. The species also look charming in clumps in the rock garden or border, and the Feather Hyacinth (*M. plumosum*) in particular, may be employed, with great gain, in pots in the cold greenhouse. In fact, pot culture gives this Grape Hyacinth such delicate and uncommon coloring, that it might well be grown anywhere under glass. All are very accommodating in their requirements, but prefer a good loam with a little old manure dug into it, and, in the case of the Feather Hyacinth alluded to, a rather warmer position. The bulbs should be planted during autumn at a depth of about three inches and about two inches apart.

**Blue.** Pretty little spikes of dark blue flowers; an old garden favorite, used largely for small beds, edging, etc. Doz., 50c; 100, \$3.50; 1,000, \$30.00.

**Heavenly Blue.** The best blue. Doz., 50c; 100, \$3.50; 1,000, \$30.00.

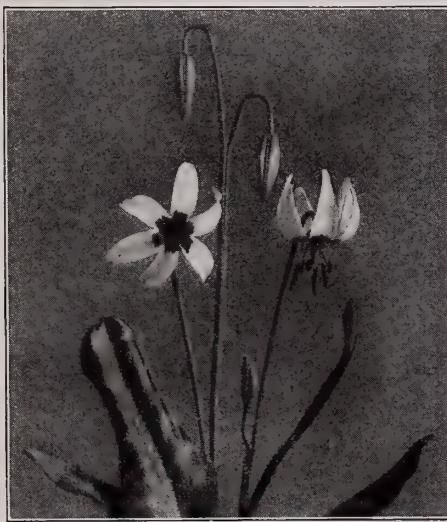
**PLUMOSUM.** Bearing in May handsome feathery plumes of violet colored flowers, very attractive. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.



SNOWDROPS

## FRITILLARIA

**RECURVA (Mission Bells).** A beautiful woodland plant from Southern California. 1 1/2 to 2 feet, and producing dainty orange scarlet flowers. They prefer partial shade and a loose soil. Each, 20c; doz., \$1.60; 100, \$11.25.



ERYTHRONIUM HENDERSONII

## DOG TOOTH VIOLET (Erythroniums)

If they had no other beauty than that of their richly mottled leaves, they would be well worth a place in the shady corner. Their flowers are 3 inches across, with stems 6 to 18 inches high. The colors run in delicate tints of white, pink, cream, bright yellow and rose. They are hardy in the coldest States, and while they are at their best in a loose, gritty soil, rich in leaf mold, they also thrive in woodlands, in shaded corners, or in the crevices of rockwork in shade.

**Americanum.** It produces in April, small, lily-like flowers, which vary through white, pink, bright yellow, rose, and cream. Bulbs should be planted about 5 inches deep. Doz., 65c; 100, \$4.50; 1,000, \$40.00.

**Californicum** has large cream-colored flowers. Doz., 80c; 100, \$5.50; 1,000, \$50.00.

**Californicum Bi-color.** Creamy, yellow centre, tall stems. Doz., 8c; 100, \$5.50; 1,000, \$50.00.

**Citrinum** is rather more erect in habit, with flowers almost pure white with strongly contrasting deep citron. Doz., 80c; 100, \$5.50; 1,000, \$50.00.

**Grandiflorum Robustum** is a superb species with flowers of the brightest buttercup yellow, leaves plain green. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

**Hartweggii** is as pretty as *Californicum*, with more yellow in the flower, and each flower on a separate stalk. Very early and stands much heat. Good for pots. Doz., 80c; 100, \$5.50; 1,000, \$50.00.

**Hendersonii.** Like *Californicum*, but the flowers are a lovely light purple, with centers a deep maroon. Doz., 80c; 100, \$5.50; 1,000, \$50.00.

**Mixed.** Doz., 75c; 100, \$5.00; 1,000, \$45.00.

## SNOWDROPS (Galanthus)

Snowdrops flower while Tulips are just sprouting, and when the flowers are over, there remains a groundwork of green foliage.

**Single.** (Largest Bulbs.) Doz., 80c; 100, \$5.50; 1,000, \$50.00.

**Double.** (Largest Bulbs.) Doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

## SCILLAS (Squills)

As edgings and masses in beds and borders, *Scillas* are most valuable. They succeed in shady flower borders and bare shady places and odd corners.

**CAMPANULATA (Clear Blue).** Very erect in habit (15 inches). Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

**Alba.** Pure white (12 in.). Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

**NUTANS Blue.** The true English blue-bell. In its native habitat it abounds in woodlands literally carpeting the ground. Gracefully arching stem carrying many violet blue flowers, opening after most other *Scillas* are gone. Very hardy. Doz., 60c; 100, \$4.00; 1,000, \$35.00.

**NUTANS Alba.** Pure white companion to the blue, with long arching stem. Beautiful when naturalized in copses, shady walks, etc. Also prized for cutting. Doz., 55c; 100, \$3.50; 1,000, \$30.00.

**SCILLA PERUVIANA Clusi.** The Cuban Lily, flowers deep blue in large spreading umbels. Blooms early summer on stems about 12 inches high. Each, 20c; doz., \$2.00; 100, \$15.00.

## RANUNCULUS (Buttercup)

Plant in November for early spring bloom in frames. Set 3 or 4 inches apart, pressing firmly into the soil, claws downward, and cover them with sand, then with soil; keep the crown of the tubers four inches under the surface. Water them well.

**Golden Glory.** Bright yellow. Doz., 80c; 100, \$5.50; 1,000, \$50.00.

**Bonnie Lassie.** Pinks. Doz., 80c; 100, \$5.50; 1,000, \$50.00.

**Sunset.** Orange, terra cotta. Doz., 80c; 100, \$5.50; 1,000, \$50.00.

**Huntsman.** Bright red. Doz., 80c; 100, \$5.50; 1,000, \$50.00.

**Victoria White.** Doz., 80c; 100, \$5.50; 1,000, \$50.00.

**Victoria Hybrid Mixed.** Far superior to any *Ranunculus* that we know. Flowers are double and large. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

## SPARAXIS, Mixed

Graceful spikes 6 to 8 inches high; flowers of the brightest colors, tigered, streaked and flushed—a riot of color. Excellent for indoor winter flowering—about 12 bulbs to a 6-inch pot. Do not plant outdoors in cold sections. In cool localities, give winter protection. For southern gardens, especially in rockeries, *Sparaxis* are indispensable.

Doz., 65c; 100, \$4.50; 1,000, \$40.00.

## SPIRAEA (Astilbe) Ready November

Beautiful, hardy garden subjects, attractive, not only for their gayly colored, feathery plumes, but also for their glaucous foliage. June and July flowering.

**White Varieties.** Each, 50c; doz., \$5.00; 100,

\$38.00.

**Pink Varieties.** Each 50c; doz., \$5.00; 100,

\$38.00.



SPRING SNOWFLAKES

### SPRING SNOWFLAKE (*Leucojum Vernum*)

A favorite little early spring flower having drooping, bell-shaped flowers, white, with small brown tips. Once planted in a favorable environment, they come up every spring, bearing more flowers each time. Excellent for rock gardens and naturalizing. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

### TRITELEIA

**UNIFLORA VIOACEA.** A rootlike bulb which produces in early spring a pale violet-blue flower with white center. The bloom somewhat resembles the *Chionodoxa*, in addition, it is delightfully fragrant. They spread and multiply with amazing rapidity and are excellent in the rockery or in masses under shrubs or trees where nothing else will grow. They are perfectly hardy, requiring no protection. About 3 inches high. Doz., 65c; 100, \$4.50; 1,000, \$40.00.

### Ornithogalum

**AUREUM.** Of a rich apricot orange, this is perhaps the finest of ornithogalums. The flower stems are usually over a foot; with most of the upper half covered with flowers. Its ease of culture, and the lasting qualities of the flowers make it an ideal cut flower. Flowering Size Bulbs: Each 20c; doz., \$1.75; 100, \$12.00.

**THRYSOIDES FLORA PLENA.** The flower has the keeping quality of the single and the appearance of a double Tuberose, with no strong odor. Three for 45c; doz., \$1.25; 100, \$8.00.

**ARABICUM.** Throws up a tall stem with a cluster of star-shaped flowers; pure white with dark centers. Excellent for cutting, lasting a long time in water. These bulb flowers are very hardy in the South and other mild climates, but they should be given protection when planted outdoors in the North. Culture in the house is about the same as for Hyacinths. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

**Umbellatum.** This is the small white hardy variety that is seen in great profusion and around many of the old gardens. It propagates readily and adapts itself splendidly to naturalizing. It does well over a wide temperature range and blooms profusely each season with little or no care. Each, 10c; doz., 85c; 100, \$6.00.

### Oxalis

#### For Indoor Planting Only

Most of these Oxalis flower from October until Christmas, and later. Easily grown, requiring only a good, somewhat peaty soil.

**GRAND DUCHESS.** Lavender, pink and white. Doz., 55c; 100, \$3.50; 1,000, \$30.00.

**BERMUDA BUTTERCUP.** Doz., 55c; 100, \$3.50; 1,000, \$30.00.

**HIRTA.** Deep pink, very fine for hanging baskets. Doz., 45c; 100, \$3.00; 1,000, \$25.00.



OXALIS GRAND DUCHESS

## A Winter Window Garden

18 Bulbs Including Six Different Subjects With **\$1.75**  
Vaughan's Prepared Bulb Fibre. Prepaid 300 Miles

### INCLUDED IN THIS OFFER

- 3 Narcissus King Alfred.
- 3 Mammoth Paper White Narcissus bulbs, 14 ctns.
- 3 Yellow Paper Whites (Grand Soleil D'Or) mammoth bulbs.
- 2 Chinese Sacred Lilies, mammoth bulbs.
- 6 Giant Freesias White.
- 1 Calla Lily White bulb, first size.
- 2 Pounds of Vaughan's Prepared Bulb Fibre.

Most of you know how easy it is to force into flower the beautiful, fragrant, Paper White Narcissi, in bowls of water. By using Vaughan's prepared bulb fibre in place of pebbles, the variety of bulbs that can be forced is widely increased.

**METHOD OF FORCING BULBS IN FIBRE.** Moisten Vaughan's Prepared Bulb Fibre to saturation, fill the bowl with wet fibre, and plant the bulbs allowing their necks to emerge from the fibre, but without pressing the fibre too firmly around them. Place the bowl in a cool, airy place where the light is dim or dark, and preferably the temperature does not rise above 55 degrees. Keep the fibre moist, since if it dries out the flower buds may go blind. But water sparingly until good roots have formed. When strong top growth has been made in the dark, take the bowl to a sunny window, where it will have fresh air, all the sunlight possible especially in the morning, and preferably a temperature not less than 55 nor more than 70 degrees.

Complete Directions for Planting and Forcing All These Subjects Are Included.

## Paper White Narcissi

THESE have been favorites for ages as a decoration for the living room during the coldest winter months when flowers are scarce. Their culture is simple, and with good strong bulbs such as we supply, flowering is sure. Plant bulbs in shallow bowls filled with pebbles, or fibre, and water. Keep in the dark until roots form (about 2 weeks) then bring into light. A day temperature of not over 70° is best. Fancy selected bulbs (13 ctn.). Three bulbs for 15c; doz., 50c; 100, \$3.00; 1,000, \$25.00.

Mammoth bulbs (14 ctn.) Three bulbs for 20c; dozen, 60c; 100, \$4.00; 1,000, \$35.00. Jumbo bulbs (15 ctn.). Three bulbs for 25c; dozen, 75c; 100, \$5.00; 1,000, \$45.00.

### The Yellow Paper White (GRAND SOLEIL D'OR)

A larger, stronger scented form of the Paper White Narcissus colored a beautiful golden yellow with a darker cup.

Mammoth bulbs. Per three, 45c; dozen, \$1.50; 100, \$10.00.

### Chinese Sacred Lily (Narcissus)

THIS narcissus is called by the Chinese the "Joss Flower." The flowers are white, with yellow cup, and very fragrant. Each bulb produces several flower-spikes. Plant like Paper White Narcissi in bowl of bulb fibre, or pebbles and water. Avoid dry, hot rooms. A kitchen window may be best until flowers come. Recommended for Christmas flowering.

Large Bulbs. Each, 10c; three for 25c; per dozen, \$1.00; 100, \$7.00.

### Calla Lilies

**REHMANNII, Superba.** Ready in November. The rare Pink Calla Lily. Rather dwarfer and smaller flowered than the White Calla, but of alluring coloring, palest blush to pure rose. Each, 70c; doz., \$7.00.

**WHITE, Ready Now.** A well-known plant of easy culture for winter bloom, and makes a handsome house or window plant. To aid profuse blooming keep dormant from the middle of June until the last of September; pot on receipt in good, rich soil, using 6 to 8-inch pot, give light and heat in abundance. Both foliage and flowers are attractive in this desirable winter bloomer.

First Size (1 1/4 to 1 1/2 in.)... Each, 15c; doz., \$1.35; 100, \$9.00.

Select Size (1 1/2 to 1 3/4 in.)... Each, 25c; doz., \$2.50; 100, \$18.00.

Mammoth (1 3/4 to 2 in.)... Each, 35c; doz., \$3.50; 100, \$25.00.

Jumbo (2 in. and over)... Each, 60c; doz., \$6.00; 100, \$45.00.



PAPER WHITE NARCISSI

### Calla Golden Yellow Elliottiana,

Ready in November

New and beautiful variety; same habit of growth as ordinary white Calla; flowers same size and shape, rich, clear, lustrous golden yellow; foliage dark green, with translucent creamy spots, strong bulbs.

First Size (2 to 2 1/2 in.)... Each, 20c; doz., \$2.00; 100, \$15.00.

Mammoth (2 1/2 to 3 in.)... Each, 35c; doz., \$3.50; 100, \$25.00.

Jumbo (3 in. and up)... Each, 55c; doz., \$5.50; 100, \$40.00.

DuPont, Wash.

Ten years have passed since my Minister husband and I left Chicago for the West and in that ten years Vaughan's flowers have grown around our two manse homes, one at 5,700 feet altitude and one in the irrigated district of Eastern Washington, and now we are going to try them in our new home on lovely Puget Sound.

Mrs. Elma B. Newhouse

# Vaughan's Giant Amaryllis



AMARYLLIS

OF ALL bulbs which the amateur can grow successfully indoors, the Amaryllis is the largest, most beautiful, surest to flower and most easily handled. Our new hybrids, especially, are so gorgeous in size and coloring as to amaze those not familiar with them. From a single stem, spring from one to three lily-like flowers, six to eight inches in diameter.

Place only one bulb in each pot, covering it as far as the neck or upper narrow part. Water sparingly at first until the flower shoots begin to appear. Some growers keep them in the dark until the flower stems are four or five inches long, and then bring to light.

After flowering they should be placed in a warm window, or set outside in sand or cinders and watered every day (sometimes twice a day), until the end of August when water should be gradually withheld and the bulbs allowed to go to rest. In the fall they can be forced again as with new bulbs.

**Vaughan's New Hybrids.** One of the finest strains of amaryllis we have seen. Bulbs are two-inch and up in diameter. We can supply in separate colors in the following shades: Each, 65c; doz., \$6.50,

Dark Red	Rose
Light Red	Red with Light Stripes
Salmon	Light Shades

**Mixed.** Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains.

	Each	Doz.	100
2½-3 in. Dia.....	\$0.45	\$4.50	\$30.00
3-3½ in. Dia.....	.60	6.00	45.00
3½ in. and up Dia.....	.75	7.50	55.00

**JOHNSONII.** Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong fleshy spikes, and are rich, deep velvety crimson, each petal having a broad white stripe contrasting beautifully with the deep red color.

Each, 35c; doz., \$3.50; 100, \$25.00.

**KNIFE'S YELLOW.** A yellow freesia of unusual sturdy growth, tall straight stems. Flowers large and wide open. Great lasting qualities. Very prolific producer with several laterals. Doz., 75c; 100 \$5.00; 1,000, \$45.00.

**KOKOMO.** A very attractive lavender blue. Large open flowers and good long stems. A strong grower with plenty of laterals. We believe the finest lavender to be put on the market. Doz., 75c; 100 \$5.00; 1,000, \$45.00.

**WHITE CHIEF.** A new Giant White, stems average 18 to 20 inches long. Single flowers 2½ inches long; early bloomer. Doz., 40c; 100, \$2.50; 1,000, \$20.00.

**MRS. MARC PETERS.** Very attractive deep rosy salmon, blotched orange with yellow. Doz., 55c; 100, \$3.50; 1,000, \$30.00.

**MARIE LOUISE VIOLET.** The flower is large of a deep blue violet color, sometimes with a little touch of pink in it, which makes it very attractive.

Doz., 60c; 100, \$4.00; 1,000, \$35.00.

**PENSEROZA.** Very large broad petalled flowers of good substance, soft pink with throat of carmine markings, strong tall stems. Doz., 60c; 100, \$4.00; 1,000, \$35.00.

**RED RIDING HOOD.** A new color; blood red, yellow throat with lines of red. Under average greenhouse conditions it will grow to 33 inches. The growth is upright, stems rigid and each bulb produces from 3 to 4 laterals. Doz., 90c; 100, \$6.00; 1,000, \$55.00.

**SUNSET.** Something new in color, flame orange reminding you of the glorious sunsets in California.

Doz., 50c; 100, \$3.00; 1,000, \$25.00.



DAFFODIL KING ALFRED

## Lachenalias

Lachenalias are useful as pot plants because of their bright flowers and interesting foliage.

**PENDULA SUPERBA.** Bright red. Early firecracker like flowers one inch long on 6 to 9 inch stems; bloom in December and January. Three Bulbs for 60c, doz., \$2.00; 100, \$15.00.



FREESIAS Forced in Flower Pot

## Giant Freesias

These fragrant flowers are easily forced in pots, pans or window boxes; and they make delightful decorations on the table or in the sunparlor. They should be potted in September and stood outside until the approach of frost, then taken inside to the conservatory or a sunny, airy window where they will flower freely from January onwards. Grow cool.

All Bulbs are Mammoth Size  
5/8-3/4 inch

**APOTHEOSE.** New. One of the best varieties, very large robust flowers, opening deep mauve-lilac, turning to bright carmine-pink; white throat, tall stems. Doz., 50c; 100, \$3.00; 1,000, \$25.00.

**ELDER'S GIANT WHITE.** The finest white variety, beautiful pure white flowers double the size of *Purity*. Doz., 60c; 100, \$4.00; 1,000, \$35.00.

**KNIFE'S YELLOW.** A yellow freesia of unusual sturdy growth, tall straight stems. Flowers large and wide open. Great lasting qualities. Very prolific producer with several laterals. Doz., 75c; 100 \$5.00; 1,000, \$45.00.

**KOKOMO.** A very attractive lavender blue. Large open flowers and good long stems. A strong grower with plenty of laterals. We believe the finest lavender to be put on the market. Doz., 75c; 100 \$5.00; 1,000, \$45.00.

**WHITE CHIEF.** A new Giant White, stems average 18 to 20 inches long. Single flowers 2½ inches long; early bloomer. Doz., 40c; 100, \$2.50; 1,000, \$20.00.

**MRS. MARC PETERS.** Very attractive deep rosy salmon, blotched orange with yellow. Doz., 55c; 100, \$3.50; 1,000, \$30.00.

**MARIE LOUISE VIOLET.** The flower is large of a deep blue violet color, sometimes with a little touch of pink in it, which makes it very attractive. Doz., 60c; 100, \$4.00; 1,000, \$35.00.

**PENSEROZA.** Very large broad petalled flowers of good substance, soft pink with throat of carmine markings, strong tall stems. Doz., 60c; 100, \$4.00; 1,000, \$35.00.

**RED RIDING HOOD.** A new color; blood red, yellow throat with lines of red. Under average greenhouse conditions it will grow to 33 inches. The growth is upright, stems rigid and each bulb produces from 3 to 4 laterals. Doz., 90c; 100, \$6.00; 1,000, \$55.00.

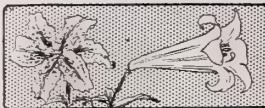
**SUNSET.** Something new in color, flame orange reminding you of the glorious sunsets in California. Doz., 50c; 100, \$3.00; 1,000, \$25.00.

## Leucocoryne

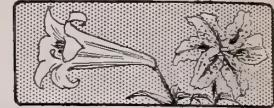
(Glory of the Sun)

Flowers exquisite light blue on tall, wiry stems and of very long-lasting quality with faint heliotrope fragrance. For indoor culture except in warm states.

Each, 20c; doz., \$1.75; 100, \$12.00.



# The Hardy Lilies



## All Our Lily Bulbs Are Grown in U. S. A.

### Hardier, More Vigorous, and Resistant to Disease

FOR the second year we are able to offer a complete list of lilies grown in America which experience has proved to possess so many advantages over imported bulbs.

This is doubly fortunate, because as this is written it is uncertain whether any lily bulbs can be brought in this fall from Japan, from which most imported bulbs come.

It is not because of import difficulties that we turned to American grown lilies, however, but because of definite points of superiority possessed by the home grown bulbs.

First, they can be planted much earlier, and come to you without the weakening effect of a long ocean voyage. They are naturally more vigorous, and are already adapted to American climate and soil conditions; and they have been proved to be more resistant to diseases. We especially recommend the new mosaic-free varieties, and the American grown *Lilium Auratum*.

Because Japanese lily bulbs arrive in this country so late in the fall, and the special uncertainties prevailing about all imports at this time, we are omitting Japanese lilies from this list.

Should you desire Japanese bulbs and be able to plant as late as December, write us about mid-November and we will quote on your needs, if possible. Soil for planting these bulbs late may be kept free of frost by mulching heavily.

### HOW TO GROW LILIES

LILIES are so beautiful, so fragrant, we are likely to think them too fine for the amateur to grow. But many are hardy, thrifty flowers, capable of surviving conditions which would overcome flowers much less beautiful. Grow them in the border in small groups, with background, where their beauty has a suitable setting for its display. They blossom, as a rule, in midsummer, when fine flowers are at a premium.

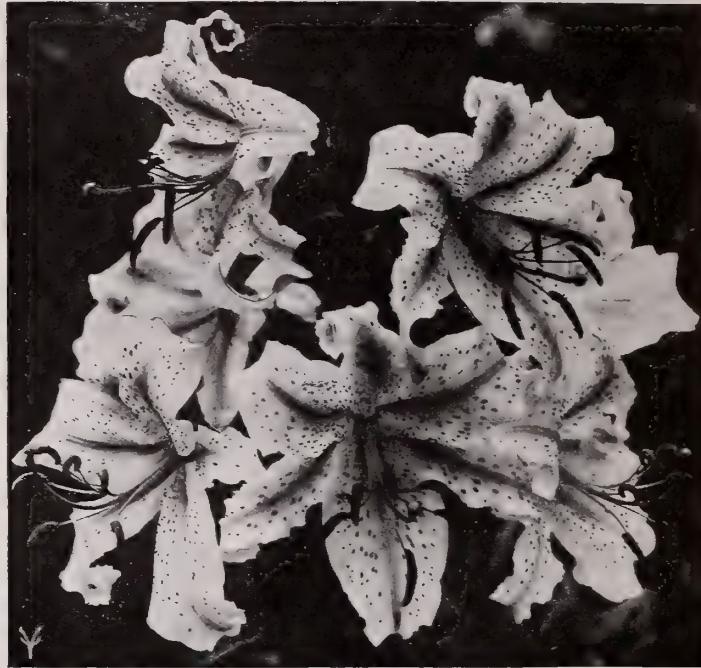
**Outdoor Culture**—When planting lilies out-of-doors, see that they have a well drained position, and where they will be shaded from very hot sun. Such places can usually be found around the shrub borders, and in the hardy plant border. Never mix manure in the soil around lilies, but enrich with a standard commercial plant food or with bone meal. Many varieties are termed "stemrooters," that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top-dressing of good rich soil on which they can feed freely. Spade over the ground thoroughly to a depth of 18 inches before planting lilies. Plant the bulbs 4 to 6 inches deep, depending on their size and the soil, deeper in light soil. Put some sand under and around the bulbs, and after covering protect with six or eight inches of leaves or other litter, which must be removed in late spring.

**Indoor Culture**—Lilies should be potted immediately upon receipt, if intended for growing in pots or for forcing. In potting use a compost of fibrous loam and sweet decomposed leaf soil, with plenty of coarse sand or a mixture of good peat, loam, and sand, adding to the compost a few pieces of charcoal. See that the pot is well drained. The bulb should be set about half-way down in the pot and barely covered with soil, thus leaving room to top-dress and fill the pot with more soil when stem-roots appear above the bulb. After potting, give a thorough watering and set outside in a cold frame or shady situation, then cover with ashes or long straw. After they have stood from three weeks to a month and thoroughly rooted, bring inside, in a temperature of about 66°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench in full light. An occasional application of liquid cow manure, starting about six weeks before flowering time, will stimulate the plant wonderfully. **Thorough rooting is essential.**

### Lilium Canadense (Meadow Lily)—Ready October

The whole plant has a downward, graceful movement and looks like a slender, tiered green belfry ringing golden bells. The flowers are nodding, bell-shaped, with petals flaring out and turning back slightly. They are heavily dotted on the inside with purplish brown dots. Blooms the end of June to July. Should be planted five inches deep. It is an excellent lily for naturalizing. Height, 3 to 5 ft.

**Canadense Mixed**—Each, 20c; dozen, \$1.75; 100, \$12.00.



LILIMUM AURATUM

### LILUM AURATUM—GOLD BANDED LILY

#### American Bulbs Grown from Seed—Now Ready

This lily, largest and most beautiful of all possible to our gardens, is available for the first time grown from seed in this country.

Bulbs will be ready to ship in October, and early planting is advisable. They are healthy, vigorous, and have roots intact, a most important point. Seed grown bulbs are more vigorous and there is less chance for disease.

Flowers are enormous, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. When grown in the open, prefers a position somewhat shaded for part of the day, well drained and prepared with loamy soil to a depth of 2 feet. Plant bulbs with their bases 7 inches from the surface. After flowering, but not until the leaves begin to yellow, the old flower-stems may be bent over at half their height. It is more satisfactory than cutting them off, as this treatment leaves a funnel-like stem to carry water into the heart of the plant and set up rotting.

5-6 inch—Each, 65c; dozen, \$6.50.

### Lilium Candidum (The Madonna Lily) Now Ready

Legend is rich in praises and reference to the Madonna Lily. It is one of the oldest, loveliest, and best known lilies. A favorite of our grandmothers' gardens, its beauty and fragrance bring back days long past. The flowers, of which there are three to twenty on each stem, depending upon the size of bulb planted, are snow-white, with heavy yellow stamens, and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th. Orders should, therefore, be mailed on receipt of this Catalogue.

18-20 CENTIMETERS (7-8 inch circumference). Each, 25c; dozen, \$2.50; 100, \$18.00.

20-22 CENTIMETERS (8-9 inch circumference). Each, 30c; dozen, \$3.00; 100, \$22.00.

22-24 CENTIMETERS (9-9½ inch circumference). Each, 35c; dozen, \$3.50; 100, \$25.00.

24-26 CENTIMETERS (9½-10½ inch circumference). Each, 45c; dozen, \$4.50; 100, \$30.00.

### PLANT AMERICAN LILY BULBS EARLY

Our American grown lily bulbs will be ready to ship in October, and should be planted at once, as early planting lessens winter hazard and enables the bulbs to begin root growth this fall.

**Lilium Concolor—Ready October**

A very pretty Chinese lily, especially adapted to use in rockeries. Flowers are upright, starlike in form, deep vermillion. Blooms in July, 6 to 18 inches high. Plant four inches deep. Perfectly hardy. Each, 20c; dozen \$2.00; 100 \$15.00.

**Lilium Longiflorum Giganteum****Easter Lily—Not Hardy—Ready October**

This is the lily commonly grown for Easter blooming. The larger bulbs produce more blooms.

**Small** bulbs 7-9 inches in circumference. Each, 25c; dozen, \$2.50; 100, \$18.00.

**Medium** bulbs 8-10 inches in circumference. Each, 35c; dozen, \$3.50; 100, \$25.00.

**Mammoth** bulbs 9-10 inches in circumference. Each, 45c; dozen, \$4.50; 100, \$35.00.

**Jumbo** bulbs 10-11 in. in circumference. Each, 65c; dozen, \$6.50; 100, \$47.00.

**Extra Jumbo** 11-13 in. Each, 75c; dozen, \$7.50; 100, \$55.00.

**Lilium Pardalinum—Ready October**

(Leopard or Panther Lily)—A late June flowering lily of rich scarlet and yellow, spotted rich brown from the Sierra Nevada Mountains of California. Ten to thirty flowers on a 5-6 foot stem

Each, 25c; dozen, \$2.50; 100, \$18.00.

**Lilium Philadelphicum—Ready October**

(Wild Red Lily)—The flowers are three to four inches in diameter, produced one to five on a stem, one to three feet high. The color is bright orange-red, tinged yellow in center and spotted deep purple, with red anthers. Blooms during June and early July.

Each, 20c; dozen, \$2.00; 100, \$15.00.

**Lilium Phillipinense Formosanum—Late October**

A refined and graceful lily with long grassy foliage, and long wide-mouthed trumpet flowers of the purest white, slightly marked externally with reddish brown. The plants grow to a height of 2-3 feet, are very robust and offer great resistance to wind and weather. It is hardy, very fragrant and one of the loveliest of the new varieties.

Each, 35c; dozen, \$3.50; 100, \$25.00.

**Lilium Regale—Ready October**

(Illustrated on Cover F)

The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flowers are beautiful, possessing a delightful fragrance. The bulb, which should be given good, sharp drainage (as should all lilies), is perfectly hardy, usually presenting a dried, shriveled appearance.

**First Size**, 6-7 in. in circumference. Each, 20c; dozen, \$1.75; 100, \$12.00.

**Select Size**, 7-8 in. in circumference. Each, 25c; dozen, \$2.50; 100, \$18.00.

**Mammoth Size**, 8-9 in. in circumference. Each, 30c; dozen, \$3.00; 100, \$22.00.

**Jumbo Size**, 9-10 in. in circumference. Each, 40c; dozen, \$4.00; 100, \$28.00.

**Extra Jumbo** 10-11 in. Each, 60c; dozen, \$6.00; 100, \$45.00.

**Lilium Speciosum Rubrum (Magnificum)**

(The Lance-Leaved Lily)—Ready November

(Illustrated on Cover F)

The typical form is white, flushed pink, and heavily spotted with carmine. The stem is about four feet high and has fresh, green, lance-shaped leaves, and the frilly flowers face downward and carelessly roll back their petals, while the stamens and pistil curl way out. A very beautiful lily, perfectly hardy, very seldom diseased, and a late Aug. and early Sept. bloomer. Plant the bulbs eight to ten inches deep.

Our bulbs are treated with a special disinfectant which prevents decay.

**First Size**. (8-9), each, 30c; dozen, \$3.00; 100, \$22.00.

**Mammoth Size** (9-11), each, 45c; dozen, \$4.50; 100, \$32.00.

**Jumbo Size** (11-13), each 65c; dozen, \$6.50; 100, \$50.00.

**Sunset Lily—Ready October**

Because of its ease of culture, rapidity of increase and its extreme hardiness, the new Sunset Lily is certain to achieve widespread favor. Height 5-6 ft. with 10 or more flowers to the stalk. This lily is bright red in color, the central portion being a bright yellow with dark spots. Stems are straight and strong with no tendency to droop. Not particular as to soil, it will thrive in full sun or partial shade, and while it appreciates good drainage, a liberal amount of water during the growing season pays good dividends in larger blossoms and greater height. July flowering.

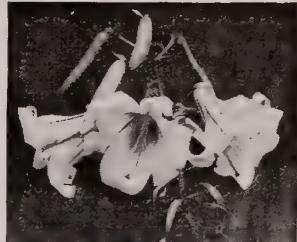
Large bulbs, each, 30c; dozen, \$3.00; 100, \$20.00.

**MOSAIC-FREE LILY BULBS**

For those who have had trouble with mosaic disease, we are glad to offer, for the first time, a limited quantity of American-grown bulbs, free from mosaic. They should be planted in soil in which lilies have never been grown and at some distance from other lily plantings.

**Ready October 15th**

**Centifolium**. A giant among lilies, with long, trumpet-shaped white flowers, streaked outside with brown and flushed inside with yellow at the base of the trumpet.



LILUM CENTIFOLIUM

**Creelman Seedlings**. Beautiful trumpet lilies grown from the seed of the famous George C. Creelman Hybrid. Flowers resemble Lilium Regale of truest type, with bronzy tones more pronounced and a more intensely yellow throat. Two weeks later than Regale, growing 6 feet tall in good environment, as many as 35 flowers on a stalk. One of the hardiest.

**L. Regale Hybrid**. Of unknown origin, found growing in a bed of Lilium Regale. Over six feet in height with tall pyramidal flower stalk. Flowers just after Regale and just ahead of Sulphur-gale.

**Shelburne Hybrid**. This lily is the result of a cross between L. Regale and the beautiful L. Sargentiae. A tall grower with very large trumpet.

**Sulphur-gale Hybrids**. These beautiful lilies were obtained by crossing L. Sulphureum with L. Regale. Larger and taller than Regale and flowering two weeks later.

Prices for any of the above: 6-7 inch—Each, 70c; dozen, \$7.00.

**Lilium Superbum—Ready October**

(Illustrated on Cover F)

(American Turk's Cap, Swamp Lily)—The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid lily produces from ten to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown at the base, with red anthers, in late July and August. This lily requires an acid condition and should be planted at least 8 inches deep. Height, 3-8 feet. Each, 20c; dozen, \$2.00; 100, \$15.00.

**Lilium Testaceum**

(The Nankeen Lily, Excelsum, Isabellum)—Ready November

A cross of the Madonna lily with the scarlet turk's-cap, Chalcedonicum. It grows as high as six feet. There are three to ten flowers, three to four inches across. They are nodding, with reflexed, waxy, glistening petals, rounded at the tips, and of a creamy peach color popularly known as Nankeen yellow. It blooms at the same time as the Madonna lily.

Large Size, Each, \$1.50; Doz., \$15.00.

Medium Size, Each, \$1.25; Doz., \$12.50.

**Lilium Tigrinum Splendens—Ready October**

(Tiger Lily)

(Illustrated on Cover F)

Because it is so widely cultivated in this country this lily has come to be looked upon as native. The flowers are orange, spotted purple, opening in August and September on 2-4 foot stems.

Each, 20c; dozen, \$2.00; 100, \$15.00.

**Lilium Umbellatum—Ready October**

(Subspecies of Davuricum)

(Illustrated on Cover F)

This group of lilies is of hybrid origin, and thrives in American gardens borders, multiplying and enduring. They are early flowering, blooming during the first part of June. Usually attaining the height of two to three feet, they carry four to six flowers of cup-shape.

Mixed. Each, 30c; dozen, \$3.00; 100, \$22.00.

**Lily of the Valley—Ready October**

For Outdoor Planting—They do best in a shady place.

Clumps. Each, 60c, three for \$1.50; dozen, \$6.00.

**Lilium Willmottiae—Ready October**

A beautiful and rather rare lily from China. Well grown specimens often carry more than twenty brilliant orange-red flowers, three inches across. The entire plant has a slender, graceful appearance.

Each, 45c; dozen, \$4.50.

**Lilium Tenuifolium—Ready October**

(Illustrated on Cover F)

The lovely Coral Lily of Siberia. A great beauty. The brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early. Each, 15c; dozen, \$1.50; 100, \$10.00.

# Hardy Perennial Plants for Fall Planting

HARDY perennials may be set out this fall in time to become well established before winter sets in; and next year will see them better developed, and bearing finer flowers than can be obtained from plants set in your border next spring.

This advantage is accompanied with very little extra risk. We do not list the kinds which need special protection through the winter. It is always well to apply a mulch over newly planted perennials, after the ground has frozen. This will tend to prevent winter thaws and frost heaving. Plants should not be placed where water

stands, as excessive dampness in the winter causes rot during mild spells.

## ALL PLANTS ARE F. O. B. CHICAGO

Plants are shipped with their roots well wrapped; and as packages must go by parcel post or express, it is impossible to make prices which cover postage, and are fair alike to all customers. So all prices in our plant list are F.O.B. Chicago, and if it is desired to have them sent by mail, postage should be added at zone rates. If sent by express, they go collect, at customer's expense.



AQUILEGIA—Mrs. Scott Elliott's Strain.

### ACHILLEA (Milfoil, Yarrow)

Achilleas are useful for cutting.

**Crimson Beauty.** 2 ft. A great improvement over *Millefolium Kelwayi*. Dark rose, free flowering. 3 for 85c; doz., \$2.50.

**Perry's White.** 2 ft. June-Aug. White. 3 for 85c; doz., \$2.50.

### ANCHUSA

**XMyosotidiflora.** 1 ft. A Russian species, bears in April a profusion of pretty pale blue Forget-Me-Not flowers. 3 for 85c; doz., \$2.50.

### AQUILEGIA (Columbine)

**XMrs. Scott Elliott's Strain of Long-Spurred Hybrids.** The flowers are very large and of distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc., and are the result of very many years careful hybridization. 3 for 85c; doz., \$2.50.

**Crimson Star.** Bright Red Columbine, long spurred, outer petals rich crimson, inner petals white. 3 for \$1.00; doz., \$3.50.

### ASTER (Michaelmas Daisy)

Masses and clouds of dainty and brightly colored blossoms throughout the autumn months.

**Charles Wilson.** Brilliant red flowers of good size, 3 feet. 3 for \$1.00; doz., \$3.50.

**Climax.** 5 ft. Large, pyramidal spikes of large, light lavender-blue flowers, gold centers. Sept.-Oct. 3 for 85c; doz., \$2.50.

**Skylands Queen.** 3 ft. Immense pale blue flowers, bright yellow centers. 3 for 85c; doz., \$2.50.

**Snowdrift.** 3 ft. Pure white. 3 for 85c; doz., \$2.50.

**Star of Eisenach (Wartburg Star).** May. A new giant flowered subcoeruleus type. Lavender-blue Daisies with yellow centers. 3 for \$1.00; doz., \$3.50.

### NEW DWARF ASTERS

These are barely one foot tall, bushy, compact plants, smothered with bloom in Sept. and October.

- XCountess of Dudley.** Clear pink, yellow center.
- XNancy.** Pale flesh pink.
- XVictor.** Very dwarf, pale lavender.
- XSnowsprite.** Very dwarf dense white bloom. Each, 35c; 3 for \$1.00; doz., \$3.50.

### CAMPANULA (Bell-flower)

A most important family for the flower garden.

- XCarpathica (Harebell).** 9 in. June to Aug. Forms tufts of neat foliage. Splendid for edging. Likes partial shade. 3 for 85c; doz., \$2.50.
- XAlba.** 9 in. July. Pure white. 3 for 85c; doz., \$2.50.

**Glomerata Superba (Clustered Bellflower).** Beautiful dark violet flowers. June-July. 20 in. Pkt., 25c; 3 for 85c; doz., \$2.50.

**Persicifolia Coerulea (Peachleaf Bell-flower).** 2-3 ft. Blue. 3 for 85c; doz., \$2.50.

### COREOPSIS (Tickseed)

One of the most popular hardy plants.

**Double Flowering (Grandiflora Fl. Pl. Special Selection).** A well fixed double and semi-double strain. 3 for \$1.00; doz., \$3.50.

**Lanceolata Grandiflora.** June-Oct. Yellow. 2 ft. 3 for 65c; doz., \$2.00; 100, \$12.00.

### DAISY (Shasta)

**Alaska.** 2 ft. Large white flowers. Fine for cutting. 3 for 65c; doz., \$2.00.

**Hartje and Elder.** 2 ft. The first Shasta Daisy to bloom. 3 for 85c; doz., \$2.50.

**Supreme.** Outstanding variety. Low, bushy foliage, strong, medium height stems with large flowers. 3 for 85c; doz., \$2.50.



Individual Floret of Delphinium Pacific Hybrids.  $\frac{1}{2}$  natural size.

### DIANTHUS BARBATUS

**Vaughan's Special Mixture.** Sweet William. Varied and unique coloring and markings. 3 for 65c; doz., \$2.00; 100, \$12.00.

### DIANTHUS (Hardy Garden Pink)

**Plumarius.** Vaughan's Special Mixture. May-Oct. 15 in. 3 for 65c; doz., \$2.00.

### DICTAMNUS (Gas Plant)

**Fraxinella.** 3 ft. May-June. Large spikes of deep pink purple-veined flowers. 3 for 85c; doz., \$2.50.

**Albus.** 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. 3 for 85c; doz., \$2.50.

### DICENTRA (Dielytra)

(Bleeding Heart or Seal Flower)

**Spectabilis.** Its long racemes of graceful heart-shaped pink flowers are always attractive. Especially valuable in shade. 3 for \$1.25; doz., \$4.00.

### EREMURUS (Foxtail Lily)

Tall stately spikes of bloom in May. Very effective for background. Quite rare and distinct.

**Himalaicus.** 5 ft. Cream white. Each, \$1.20.

**Bungei.** 5 ft. Golden yellow. Each, \$1.00.

### GAILLARDIA (Blanket Flower)

Gaillardias are fine cut flowers. Bloom all summer.

**Grandiflora Mixed.** June-Oct. Mixed. 1½ ft. 3 for 65c; doz., \$2.00.

**Burgundy.** Wine red. 2 ft. 3 for 85c; doz., \$2.50.

**Sun God.** The first yellow gaillardia. Pure chrome yellow, long stiff stems. A distinct new introduction. 3 for \$1.50; doz., \$5.00.

**GRAVE MYRTLE.** New Bowles variety. 3 for 85c; doz., \$2.50.

### GYPSOPHILA (Baby's Breath)

**Paniculata.** July-Aug. White. 2-3 ft. 3 for 85c; doz., \$2.50.

**Paniculata Bristol Fairy (Double Baby's Breath).** Early double pure white large flowering perennial Baby's Breath. Produces a second crop of spikes. Each, 65c; 3 for \$1.50; doz., \$5.00.

**XBadgeri.** 2 ft. Blooms very double and large enough for cut flowers. 3 for \$1.50; doz., \$5.00.

**Rosenschleier (Rosy Veil).** A dwarf double pink variety giving two crops of bloom. Each, 35c; 3 for \$1.00; doz., \$3.50.

### WORLD'S BEST DELPHINIUMS

For seeds of named varieties of Pacific Hybrids, see page 25.

**New Pacific Hybrids. (Vetterle and Reinelt.)** Have been pronounced by competent judges to be the finest in the world.

**Giant Blues.** Individual flowers are two inches in diameter, spikes 2½ to 5 ft. in length, branching habit of growth. 3 for \$1.00; doz., \$3.50.

**White.** The largest flowers and longest flowering of any white strain. 3 for \$1.00; doz., \$3.50.

**Belladonna.** Sky-blue. June-Aug. 3 ft. 3 for 85c; doz., \$2.50.

**Bellamossom Improved.** Deep blue with white bee. 3 ft. 3 for 85c; doz., \$2.50.

**Wrexham Hollyhock-flowered Strain.** Flowers in blue, white and pink combinations, many of them bicolor, many of them 1½ to 2 inches in diameter. 3 for \$1.00; doz., \$3.50.

**HEMEROCALLIS (Yellow Day Lily)****New Hemerocallis Hybrids**

Hybridizers like Dr. Stout, B. H. Farr, C. Betscher, Amos Perry, George Yeld and others, have created wonderful new Hemerocallis of rare beauty, rich coloring and extreme hardiness.

**Calypso.** 3½ ft. July. Large lemon yellow. Each, 30c.

**Cinnabar.** July-August. Light bronzy red, suffused gold. Each, 65c.

**Hyperion.** July-August. Large citron yellow. Outstanding. Each, 75c.

**Margaret Perry.** July. Scarlet orange. Center of petals yellow. Each, \$1.00.

**Mikado.** June. Large deep orange with maroon transverse blotches on three petals. Each, \$1.00.

**The Gem.** June-July. Clear gold. Each, 30c.

**OLDER VARIETIES**

**Aureole.** 3 ft. May. Deep orange, bronze reverse.

**Dr. Regal.** 1½ ft. Rich orange-yellow. May and June.

**Fulva Kwanso Fl. Pl.** 3 ft. July-August. Orange shaded crimson, double.

**Thunbergi.** 3 ft. July. Fragrant golden yellow. Prices, Older Varieties, 3 for 65c; doz., \$2.00.

**HOSTA (Funkia or Day Lily)**

Attractive plants with broad overlapping leaves of various markings. Dainty lily-like flowers. 1½-2 ft. Effective in any shady position.

**Coerulea (Lanceolata).** 1 ft. Dark blue. 3 for 85c; doz., \$2.50.

**Fortunei Robusta.** Large foliage, white flowers, shaded light blue. Each, 65c; 3 for \$1.50.

**Japonica Aurea Marginata.** 1 ft. Aug. Mauve. 3 for 85c; doz., \$2.50.

**Subcordata Grandiflora.** Flowers white, large green leaves. 3 for \$1.00; doz., \$3.50.

**Variegata.** Good edging plant. Leaves white and green. 3 for \$1.00; doz., \$3.50.

**LIATRIS (Kansas Gay Feather)**

**Pycnostachya.** 4 to 5 ft. Flowers purple in spikes, which bloom a long time. July-Aug. 3 for 85c; doz., \$2.50.

**Spicata.** 2 to 3 feet. Purple flowers. July-Sept. 3 for 85c; doz., \$2.50.

**Spicata Pumila.** New dwarf type, two feet tall. Erect rosy purple flowers. 3 for \$1.25; doz., \$4.00.

**September Glory.** New late blooming variety. Full rosy purple spikes. 3-4 feet tall. 3 for \$1.25; doz., \$4.00.

**MERTENSIA (Blue Bells)**

A lovely plant for the shade.

**Virginica.** May-June. Light blue. 18 in. 3 for 65c; doz., \$2.00; 100, \$10.00.

**MONARDA (Bergamot)**

**Didyma.** 3 ft. June-Sept. Brilliant scarlet. 3 for 85c; doz., \$2.50.

**MYOSOTIS (Forget-me-not)**

**Palustris Semperflorens.** Dwarf blue, in flower from early spring until autumn. 3 for 85c; doz., \$2.50; 100, \$15.00.

**PAPAVER (Oriental Poppy)**

For gorgeous coloring the Oriental Poppies have few rivals among hardy plants.

**Beauty of Livermore.** 3 ft. Crimson with dark blotch, stout stems. 35c; 3 for \$1.00; doz., \$3.50.

**Jeannie Mawson.** 2½ ft. Charming geranium pink, large flowers on stiff stems. 35c; 3 for \$1.00; doz., \$3.50.

**Joyce.** 4 ft. A tall cherry red poppy of medium size to glorify the spring border. 35c; 3 for \$1.00; doz., \$3.50.

**Mrs. Perry.** The best known pink poppy. Delicate salmon-rose with black blotches. 30c; 3 for 85c; doz., \$2.50.

**Olympia.** Double rich scarlet. A striking introduction. Very free blooming, flowers come ten days before other varieties. 35c; 3 for \$1.00; doz., \$3.50.

**Perry's White.** 3 ft. Satiny white purple-black blotch at base. 50c; 3 for \$1.50; doz., \$5.00.

**Princess Ena.** 3 ft. Early coral pink. 35c; 3 for \$1.00; doz., \$3.50.

**Royal Scarlet.** Old fashioned scarlet Oriental Poppy. 30c; 3 for 85c; doz., \$2.50.

**Seven Phlox of \$1.75 Rainbow Colors, PRE-PAID**

One each of the varieties marked with a star in list below.

**Augusta.** U. S. Plant Patent No. 252. Brilliant cherry red. Each, 50c; doz., \$4.50.

**B. Comte.** Wine purple of satiny sheen. 3 for \$1.00; doz., \$3.50.

**Bridesmaid.** Pure white, crimson eye. 3 for 85c; doz., \$2.50.

**Champs Elysee.** Dwarf dark purple. 3 for 85c; doz., \$2.50.

**Columbia.** Patented. Cameo pink, faint blue shading at center. 3 for \$1.10; doz., \$3.30.

**Daily Sketch.** New. Big trusses, salmon pink with crimson eye. 3 for \$1.25; doz., \$4.00.

**★E. I. Farrington.** New. Large trusses of delightful salmon shade with lighter eye. 3 for 85c; doz., \$2.50.

**★Europa.** Large white florets with faint red center. 3 for 85c; doz., \$2.50.

**★Feuerbrand (Fireglow).** Bright scarlet, tall with large heads. 3 for \$1.25; doz., \$4.00.

**★Flora Reidy.** Pure white. 3 for 85c; doz., \$2.50.

**★Goliath.** Bright carmine flowers, shaded light purple. 3 for 85c; doz., \$2.50.

**Lillian.** Light salmon pink. Large florets. 3 for 85c; doz., \$2.50.

**Morgenrood.** Deep rose shade of red. Striking. Large florets. 3 for \$1.00; doz., \$3.50.

**Nordlicht.** Large carmine pink, dark eye. 3 for \$1.50; doz., \$5.00.

**★Mrs. Milly Von Hoboken.** Bright pink, faint mauve suffusion. 3 for \$1.00; doz., \$3.50.

**Miss. Lingard (Suffruticosa).** Pure white; the earliest of all. Blooms, good for cut flowers. 3 for 85c; doz., \$2.50.

**Obergartner Wittig.** Large lilac-rose centers, faintly marked crimson. Blooms late. 3 for \$1.00; doz., \$3.50.

**★Painted Lady.** Soft silvery pink with red eye. 3 for 85c; doz., \$2.50.

**Rosalinda.** Rose pink form of Miss Lingard. 3 for \$1.00; doz., \$3.50.

**Royal Purple.** Light purple. Strong grower. 3 for 85c; doz., \$2.50.

**Starlight.** Bright mauve with star-shaped white center. 3 for \$1.00; doz., \$3.50.

**Tigress.** New. Vigorous growth, immense trusses of brilliant orange scarlet. 3 for \$1.50; doz., \$5.00.

**Mixed.** 1-year field-grown plants of a choice mixture of colors. Un-named varieties. Our selection. 3 for 65c; doz., \$2.00; 100, \$12.00.

**Dwarf and Alpine Phlox**

**★Amoena (Lovely Phlox).** Charming native variety, bright pink flowers, 6 in. April-May. 3 for 85c; doz., \$2.50.

**★Divaricata Canadensis.** Blooms early in April, with large, fragrant, lavender flowers on stems 10 inches high. 3 for 65c; doz., \$2.00; 100, \$12.00.

**★Dixie Brilliant.** (Nivalis Sylvesteris). New large flowered variety. Rosy red blooms. 3 for \$1.00; doz., \$3.50.

**PHLOX LILLIAN****HARDY DWARF PHLOX—Continued**

**Subulata Alba.** A compact mass of elegant prostrate foliage, dainty white flowers in May; height 4 in. 3 for 65c; doz., \$2.00; 100, \$12.00.

**Subulata Atro-Purpurea.** 4 in. A new variety. Dwarf compact foliage, dark purple-red flowers in May. 3 for 85c; doz., \$2.50.

**Subulata Brittoni.** Valuable California species, for hot dry locations. Starry white flowers, compact foliage. 3 for 85c; doz., \$2.50.

**Subulata Mrs. G. F. Wilson.** Compact growth, heavy bloomer. Lavender pink flowers in May and in the fall. 3 for 85c; doz., \$2.50.

**Subulata Pink Cushion.** New. More compact, more free flowering and a clearer pink than Rosea. 3 for 85c; doz., \$2.50.

**Subulata Rosea.** Same as above, but daintier pink flowers. 3 for 65c; doz., \$2.00; 100, \$12.00.

**PLATYCODON (Chinese Bell Flower)**

They flower from June to September.

**Grandiflorum.** 1-2 ft. Large, handsome, deep blue flowers. 3 for 65c; doz., \$2.00.

**PRIMULA (Primrose)**

Blossoming in April and May, along shady paths.

**Veris, Mixed.** 6-9 in. The Oxlip or Polyanthus, bearing bright flowers in umbels. 3 for 85c; doz., \$2.50.

**Veris Kleynii.** Heavy stems. Carrying immense heads. Rich golden yellow shaded apricot towards center. 3 for \$1.00; doz., \$3.50.

**PYRETHRUM (Painted Daisy)**

**Roseum, Single Mixed.** June. 1½-2 ft. 3 for 65c; doz., \$2.00.

**James Kelway.** Blood-red. 3 for 85c; doz., \$2.50.

**Uliginosum.** 4 ft. A hardy white daisy flowering in September. 3 for 85c; doz., \$2.50.

**SALVIA (Sage)**

**Aurea Grandiflora (Meadow Sage).** Sept.-Oct. Deep blue. 4 ft. 3 for 85c; doz., \$2.50.

**SCABIOSA (Pincushion)**

Long blooming hardy perennial, much prized for cut flowers, tidy and compact in growth.

**Caucasica.** 18 in. Light lavender blue flowers on long stems. June to Oct. 3 for 85c; doz., \$2.50.

**SEDUM**

**Acre (Golden Moss).** 3 in. May-June. Bright yellow.

**Album.** 3 in. Waxy foliage, white flowers. July.

**Sexangulare (Hexagon Stone Crop).** Dark green foliage, yellow flowers. May-June.

**Sieboldii.** 4 in. Round succulent, glaucous foliage; pink flowers. August. 3 for 85c; doz., \$2.50.

**Spectabile.** June-July. Deep rose. 18 in. 3 for 85c; doz., \$2.50.

**Spurium.** Pink flowers. 4 in. Price all Sedums, except as noted, 3 for 65c; doz., \$2.00; 100, \$12.00.

**TRILLIUM (Wake Robin)**

**Grandiflorum.** 12 in. Beautiful native spring-flowing perennials. White flowers with three petal-like segments. For naturalizing in moist shaded places. 3 for 65c; doz., \$2.00; 100, \$15.00.

**TROLLIUS (Globe Flower)**

Globe flowers of bright orange or yellow, and finely cut leaves, make this a desirable subject.

**Golden Queen.** 3 to 4 ft. Large flowers of orange color, in autumn, as well as early summer. 3 for \$1.50; doz., \$5.00; 100, \$35.00.

**Gold Quelle.** Dark orange, upright stamens. Late June. 3 for \$1.50; doz., \$5.00.

**VERONICA (Speedwell)**

**Spicata, Blue.** 2 ft. July-August. Small spikes of rich blue flowers. 3 for 65c; doz., \$2.00.

**Spicata Rosea.** 1 ft. Pure pink. 3 for 85c.

**VIOLET**

**Double Russian.** The true hardy double violet. Very double, dark purple flowers, intensely fragrant. Plant in shade and mulch. 3 for \$1.00; doz., \$3.50.

**Florence.** Hardy single white, faint lavender markings. Fragrant, long stemmed blooms. 3 for 85c; doz., \$2.50.

**Prince of Wales.** Hardy violet, grows anywhere. Large single fragrant purple blooms. 3 for 85c; doz., \$2.50.

**Rosina.** New. This charming variety has an abundance of very fragrant, rose pink flowers. It also blooms more freely in Autumn than other varieties. Extremely hardy. 3 for \$1.00; doz., \$3.50.

# Vaughan's Irises

PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

PLANTS BY EXPRESS—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard or upright curling petals; "F" to falls or drooping petals.

Irises are most effective if planted 3 of a kind in a clump.

★Those indicated by a star are medium priced varieties of outstanding merit and are especially recommended for garden planting.

DYKES MEMORIAL MEDAL. This is an award made annually in America, France and England for the best Iris of the year.

As soon as German iris plants are received, plant them in a sunny, well drained place. Each plant should have at least eighteen inches clear space from other irises, as it will grow in a circle and many varieties spread rapidly. The rhizome, or fleshy root stock from which the leaves and roots grow, should be barely covered with soil, with the roots properly spread below, and the soil well firmed about them. Until the plant is established, give it frequent attention, watering in dry spells. In the first winter, after the ground has frozen, a light mulch to prevent thawing and heaving will be beneficial.

## New, Outstanding Varieties

★**Alta California.** 48 in. Superb flowers of deep golden yellow, faintly bronzed, on strong branched stems. Blooms of firm texture, unmarred by sun or rain. An extra fine new yellow and hardy everywhere. 25c; 3 for 60c.

★**Black Wings.** 38 in. Velvety black buds opening to large flowers of intense midnight blue overlaid with a frosty black luster. A striking variety that is easily grown and deliciously fragrant. 25c; 3 for 60c.

**Buechly Giant.** 40 in. This new variety has the largest flowers of any Iris we grow. It is a clear lavender blue bicolor that has the perfect form of Frieda Mohr. Will create a sensation in any garden. 25c; 3 for 60c.

**California Gold.** 36 in. A super novelty with dazzling, deep golden yellow. Good garden variety as it does not fade. Late. 40c; 3 for 90c.

★**Crystal Beauty.** 40 in. Large, perfectly shaped flowers of pure snow white on well branched stalks. Said to be the whitest white of all Irises. 25c; 3 for 60c.

★**El Capitan.** 40 in. Huge flowers of light-violet blue. A magnificent variety that is wanted by everyone that sees it. Exhibition blooms have measured 7 inches across and 9 inches high. 25c; 3 for 60c.

**Copper Lustre.** 36 in. Dykes Medal, 1938. Considered "the Iris of the Century." Its flowers are of huge size and its color a blend of glowing copper and gold with iridescent sheen. Nothing quite like it. 50c.

**Coralie.** 38 in. Winner of Dykes Medal for 1933. A vividly colored blend of pink and red that approaches a soft raspberry color in effect. Unusually lovely flowers of fine form. 35c.

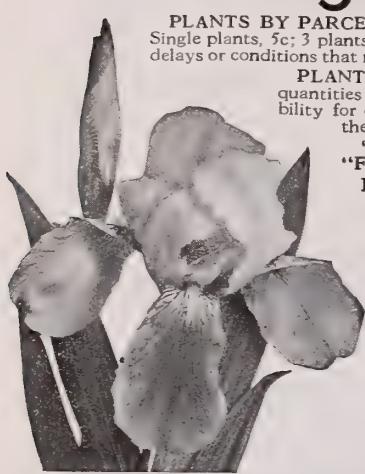
**Dauntless.** 40 in. One of the brightest red Irises introduced. A brilliant rose red self with flaring falls that appear darker because of their velvety quality. 25c; 3 for 60c.

★**Depute Nombot.** 50 in. This Dykes Medal Winner of 1930 is a magnificent Iris of greatest vigor; has strong foliage and stout, nicely branched stems. Flowers are of enormous size. S. coppery-red, flushed golden bronze; F. rich claret crimson. The entire flowers seem lightly dusted with gold which sparkles in the sun. 25c; 3 for 60c.

**E. B. Williamson.** 36 in. An excellent new Iris of rich, glowing coppery-red, almost a self, with a silvery, lustrous finish. Unusual in color, perfect in form, and strong in growth, it is one of the finest of all Irises. \$2.00.

**Golden Treasure.** 38 in. An exquisite new creamy yellow Iris with a glowing golden heart and rich yellow beard. Huge flowers and perfectly branched stems; hardy and very floriferous, it is first class in every way \$1.00.

**De Luxe Iris Collection.** One each of Junaluska, Black Wing, Marquita, Missouri, Naranja, Sierra Blue, and Snowking, (value \$4.25) for \$2.95. (Postage 15c additional.)



## Twenty Five Finest Irises

Price of the following, except where noted. Each 25c. 3 of one kind for 50c. (Note, we cannot supply 3 different kinds for 50c.)

★**Ambassadeur.** 40 in. S. smoky bronze; F. dark velvety maroon. A strong grower with large flowers. Late. 20c; 3 for 30c.

**Baldwin.** 40 in. Finely formed flowers of a uniform manganese violet color, of gigantic size and outstanding quality.

**Blue Velvet.** 46 in. A clear, beautiful, very dark blue self, the color of the richest shade of deep blue velvet.

★**Cinnabar.** 42 in. A beautiful large flower of perfect form and deep, rich velvety red-purple tone. Very floriferous. 20c; 3 for 30c.

**Clara Noyes.** 38 in. A brilliant blending of red, orange and yellow that is not unlike the coloring of the Talisman Rose.

**Coronation.** 40 in. A brilliant, deep golden yellow of fine form and substance; profuse bloomer. 20c; 3 for 30c.

**Corrida.** 30 in. Small flowers of exquisite pure blue. Ideal for cutting and for table decoration. 20c; 3 for 30c.

**Desert Gold.** 30 in. An early blooming, fragrant soft luminous yellow of good form and excellent substance.

★**Dolly Madison.** 38 in. A most outstanding blend of colors. S. mauvette shading to yellow at base; F. flaring, lilac tinged old gold.

★**Frieda Mohr.** 42 in. A gigantic lilac-pink bicolor 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. The flower is of perfect form, good texture and brilliant coloring. Exquisite occult-like perfume.

★**Gold Imperial.** 33 in. Brilliant chrome yellow throughout except for conspicuous orange beard. 20c; 3 for 30c.

★**Grace Sturtevant.** 36 in. One of the richest of all Irises. Standards dark red-brown with darker, rich velvety falls, almost black at the tips. Brilliant orange-red beard.

★**Imperator.** 40 in. A large red-toned Iris. S. reddish violet tinted buff; F. deeper shade. Flowers of excellent form borne on strong stems. 20c; 3 for 30c.

★**Indian Chief.** 40 in. Every garden should have this fine red. S. pinkish red; F. glowing velvety red. Large well-shaped flowers of heavy substance. A prolific bloomer.

**King Tut.** 34 in. S. brown suffused with red; F. velvety glowing brownish-red. Large flowers of beautiful coloring. 20c; 3 for 30c.

**Labor.** 36 in. An extraordinary Iris of new color. S. dark violet heliotrope suffused with a coppery glow; F. deeper shade. 20c; 3 for 30c.

★**Morning Splendor.** 40 in. A fine American introduction that has been awarded three medals. S. Petunia-violet; F. rich raisin-purple. The flowers are large, and fragrant. Late. 20c; 3 for 30c.

**Nightshade.** 40 in. Dark purple self on wide branching stems. Blooms abundantly.

★**Pluie d'Or (Golden Rain).** 40 inch. Dykes Medal 1928. Tall golden yellow self.

★**Princess Beatrice.** 40 in. A selected form of *Pallida Dalmatica*, one of the finest of all Irises. Silvery lavender flowers of satiny texture and good substance, flaring falls.

★**Rameses.** 36 in. Dykes Medal 1932. A large bicolor of russet rose, pink and buff with a yellow glow at the center.

**Selene.** Extra large white, a real giant. Never fails to bloom; fragrant; early. 20c.

**Seminole.** 30 in. S. soft violet-rose; F. velvety crimson; bright color. 20c; 3 for 30c.

★**Valor.** 52 in. Velvety blackish violet-blue bicolor of huge size and perfect shape on very tall stems. Rich and starting in effect.

**War Eagle.** 40 in. S. light red-purple; F. red-purple with black shadings. Very large blooms, 7 inches in height. In effect, a rich, glowing deep red. Profuse bloomer.

## Standard Varieties

We have a large collection of these in named varieties in all colors. List of varieties mailed on request. Price, 20c; 3 of one kind for 30c; 12 of one kind for \$1.00.

**Surprise Iris Collection.** Twelve beautiful varieties (which includes the giant red War Eagle) in a rainbow of colors, our selection (value \$2.45) labeled for only \$1.00. (Postage 15c additional).



THE FAMOUS RED DOMINION

These are among the fifty finest Irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your Iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

## Fall Blooming Irises

These varieties bloom in the Spring with the Early flowering varieties and have a habit of blooming again in the Autumn.

Price except where noted 25c; 3 of one kind for 60c.

★**Autumn King.** 30 in. A blue-purple bicolor of fine size. 20c; 3 for 40c.

**Autumn Queen.** 18 in. Pure white flowers of good size and quality.

★**Eleanor Roosevelt.** 28 in. An outstanding variety of very fine deep velvety purple. Profuse bloomer twice a year.

**Jean Siret.** 15 in. A dwarf yellow of exceptional merit. Gives a long season of bloom in both the spring and fall and often blooms in the summer. Is classed as an everblooming Iris.

**Lieutenant de Chavegnac.** violet with the same everblooming habits as Jean Siret.

**October Blaze.** 34 in. Big, glowing red-purple, somewhat on the order of Indian Chief. Late. 40c.

**Southland.** 28 in. Clear deep chrome yellow of large size and heavy substance. Unusually fine in both spring and fall. Lovely planted with Eleanor Roosevelt.

★**Ultra.** 14 in. A beautiful ultramarine blue bicolor. Very popular variety. 20c; 3 for 30c.

**Special Offer No. 19-A** 12 Fall Irises, 3 each Autumn King, Autumn Queen, Eleanor Roosevelt and Southland (value \$2.20) for \$1.50. (Postage 15c additional.)

We have a large collection of Iris. Ask for a complete price list.

## Various Beardless Irises

Most of these varieties bloom after the German Irises are gone and before the Japanese Irises open.

**Dichotoma** (Vesper Iris). Dainty blue flowers, beautifully marked, that open in the afternoon. Blooms profusely during the month of August. 50c.

**Dorothea K. Williamson.** 33 in. A rich velvety royal purple flower of intense color. One of the finest beardless Irises. Plant in moist, well-drained soil. 30c; 3 for 75c.

**Lord Wolsely.** 40 in. Large, handsome flowers of blue-purple color. Very hardy and vigorous. One of the best. 35c.

**Pseudoacorus** (Common Yellow Water Flag). 48 in. Bright yellow. Fine for waterside planting. Will succeed where water stands or in dry locations. 25c; 3 for 50c.

**Versicolor** (Common American Water Flag). 24 in. Showy violet-blue remaining in bloom for a longtime. Good for waterside plantings. 25c; 3 for 50c.

## Twelve Iris Aristocrats \$2.00

Catalogue Value \$3.55 (Postage 15c additional)

★**Blue Triumph.** 42 in. A magnificent iris, considered the finest light blue yet introduced. The flowers are very large and flaring and of heavy substance, with smooth velvety finish. Huge stalks, carrying from 12 to 15 flowers widely set apart. 35c; 3 for 75c.

★**Cheerio.** 40 in. Considered the most brilliant of all the red toned Irises. S. golden tan flushed rose; F. rich, glowing velvety red. Produces an abundance of finely formed flowers. A "must have" for your garden. 40c; 3 for 90c.

★**Ethelwyn Dubuar.** 38 in. Very fine large flowers of deep pink with delightful ruffling. Decidedly bigger and better than any other in its color class. 25c; 3 for 60c.

★**Gudrun.** 36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat. Very fine. 35c; 3 for 75c.

★**Happy Days.** 40 in. An immense clear yellow most easily described as a yellow El Capitan. Perfectly branched, with each stalk carrying 7 or 8 massive blooms. 35c; 3 for 75c.

★**Jean Cayeux** 38 in. Dykes Medal 1931. This Iris is a masterpiece. A beautiful blending of coffee or Havana brown with a golden glint that is enchanting. The flowers are of perfect shape and are borne over a long season on splendidly branched stalks. No variety quite like this one. 35c; 3 for 75c.

★**No-we-ta.** 35 in. A beautiful, true pink self in effect with yellow flushes at the center. The whole flower is softly frilled. An exquisite Iris and a fine garden variety. 25c; 3 for 60c.

★**President Pilkington.** 46 in. Very large form and glorious blend. S. pale buff with a faint bluish suffusion; F. wide and flaring, lavender blue with a buff suffusion. Extra fine. 25c; 3 for 60c.

★**Red Dominion.** 40 in. S. clear lustrous, deep red, slightly frilled. F. broad, horizontal, velvety red; nearly black. One of the most popular Iris grown. 25c; 3 for 60c.

★**Sensation.** 38 in. Enormous corn-flower blue flowers of perfect form and heavy substance. A perfect flower, the standards beautifully arched, the falls flaring and the stems tall and sturdy. 25c; 3 for 60c.

★**Sir Michael.** 48 in. A striking Iris, considered by many the finest blue bicolor. S. opalescent lavender-blue; F. rich deep velvety purple; brilliant red gold beard. A magnificent grower with strong widely branched stems. 25c; 3 for 60c.

★**The Black Douglas.** 48 in. S. dark violet; F. blackish violet. Very fine, richly colored Iris of good form and texture. 25c; 3 for 60c.

## Dwarf Irises

Price, any of the following except where noted, 20c each; 3 of one kind for 40c.

**Cristata (Crested Iris).** Early. A dainty dwarf creeping variety with large blue flowers. Fine for use in the rock garden. 25c; 3 for 50c.

**Pumila Hybrida.** Dwarf varieties, growing from 6 to 8 inches high, that bloom two weeks in advance of the tall bearded Iris. Suitable for rock gardens or borders.

★**Dixmude.** S. aniline blue; F. rich crimson-purple. 20c; 3 for 30c; 12 for \$1.00.

**Orange Queen.** Clear deep yellow with orange beard.

**Schneekuppe.** Fragrant white. Lovely light blue, the shade of the Spring Skies.

**Spring Skies.** Lovely light blue, the shade of the Belladonna Larkspur.

**Special Offer No. 19-B** 12 Dwarf Irises, 6 Dixmude and 3 each Orange Queen and Spring Skies (value \$1.40) for \$1.00. (Postage 10c additional.)

## Japanese Irises (Kaempferi)

The last of the Iris species to bloom and the most beautiful, their remarkable flowers, generally rather flat and wide, appearing in June and July. Plant in a sunny and moist location, but not where water will stand.

Prices except where noted, each 40c; 3 of one kind for \$1.00.

★**Gold Bound.** Double. White with gold-banded center. Earliest to bloom.

**Kumochi-Guma.** A very full double of dark purplish indigo. Mid-season.

★**Mahogany.** Large double flowers of velvety-mahogany red. Late.

★**Momigi-No-Taki.** (Maple Waterfall). Bright rosy crimson feathered in white. Double. 50c; 3 for \$1.25.

★**Purple and Gold.** An enormous double of rich violet-purple with gold center.

**Seacrest.** Six large wavy white petals with a deep blue haft.

**Special Offer No. 19-C.** One each of above 6 named Japanese Irises (value \$2.50) for \$1.75. (Postage 15c additional.)

Irises give a long season of bloom. The dwarf varieties flower in April and May—Tall Bearded in May and June—Siberian and Beardless in June—Japanese in June and July—Vesper Iris in August—Fall Blooming in September and October.

## Siberian Irises

The most delicate and elegant of all small flowered Irises. They grow on tall stems, have graceful, grass-like foliage, and are excellent for cutting, good established clumps having from 15 to 30 flower stalks.

Price, except where noted, 25c; 3 of one kind for 40c; 12 of one kind for \$1.25; large clumps, 75c; 10 for \$5.00.

**Butterfly.** 36 in. Lovely porcelain blue flowers; vigorous grower.

★**Emperor.** 48 in. Large flowers of a deep, rich violet-blue. Very fine.

**George Wallace.** 46 in. Azure-blue, F. marked white. Very popular. 3 for 30c.

★**Perry's Blue.** 48 in. Large, well formed flowers of a beautiful shade of sky-blue.

One of the most popular and finest of Siberian Iris.

**Orientalis.** 24 in. Rich deep purple. Fine for naturalized plantings. 3 for 30c.

**Mixed Seedlings.** 3 for 30c; 12 for \$1.00.

The Beardless, Japanese and Siberian Irises, unlike the Bearded Irises, prefer an acid soil and deep planting (about 2 inches). Peat Moss is excellent to use in the beds in which they are planted.



SIBERIAN IRIS



THERÈSE

# Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade in single clumps or long beds; or bordering lawns, shrub rows, and drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies; they require just as much care as the better kinds, and are disappointing in the end.

**Planting.** Peonies may be planted from September first until May. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of shy blooming, 2 or 3 inches of soil over the crown (eyes) being sufficient. We offer **Divided roots**, natural divisions, having 3 to 5 eyes of blooming size.

The figures following the varieties are the rating given to them by the American Peony Society, based on a scale giving 10 points for perfection.

**Feeding.** Peonies in established plantings need to be fed each Spring. A top dressing of Vaughan's Balanced Ration (5-8-7) well worked in will do wonders, but it should be applied early.

**Roots by Parcel Post.**—If to be sent by parcel post, add postage as follows: Single roots, 8c; two roots, 12c; 3 roots, 16c.

★Varieties indicated by star are of outstanding merit and are especially recommended by us for garden planting.



JAPANESE PEONY

## Light and Dark Pink and Rose

★**Edulis Superba** (7.6) Usually blooms for Decoration Day. The large flowers are a beautiful deep, vivid pink, and are borne profusely on tall, strong stems. One of the most fragrant of all Peonies and one of the best for cut flowers in its color and season. 50c.

**Edwin C. Shaw.** (9.1) Very large, cup-shaped flowers of light old-rose on strong stems. Very lovely and deliciously fragrant. Good foliage. Late midseason. \$1.25.

★**Georgiana Shaylor** (8.9) Large, flat, pale rose-pink with a few flecks of crimson. Strong grower and midseason bloomer. 75c.

**Hansina Brand.** (9.1) A flower of beautiful form and really giant size. Color deep flesh pink, shading darker at the base of the petals with a salmon reflex. Resembles Solange but has a better stem and flowers that always open. Late. \$3.00.

**Lady Alexandra Duff** (9.1) Enormous, loosely built flowers of pale blush pink with yellow stamens. Very showy and beautiful. Midseason. 60c.

**La France** (9.0) Soft apple-blossom-pink. Very large, fragrant flowers of unusual crepe-like texture. Late midseason. 75c.

**La Lorraine** (8.6) Enormous globular blooms of creamy-white, overlaid with soft pink. A beautiful flower that ranks with Le Cygne and Solange in the show room. Midseason. \$1.25.

**Loveliness.** (8.8) A beautiful variety with large, flat flowers of pale flesh-pink, changing to flesh-white. Fragrant. Late. 75c.

★**Martha Bullock** (9.1) A real peony aristocrat, gigantic in size and exquisitely beautiful. Its immense cupped shaped flowers of bright old-rose pink are often 9 to 12 inches in diameter and are held well above the foliage on tall, stout stems. Rose-like fragrance; late. As a garden variety, or as a cut-flower or show variety, this one is hard to beat. \$1.00.

**Milton Hill** (9.0) Clear pink overlaid with sheen of delicate lilac. Very large bloom; excellent for cutting; late. 75c.

★**Mons. Jules Elie** (9.2) By many considered most beautiful of all Peonies. The flowers are an immense ball of imbricated petals incurved like a chrysanthemum; the color a glistening lilac-pink shading to deeper rose at the base, all overlaid with a sheen of silver. Comes into bloom early and is one of our finest varieties for cutting. Very fragrant. 75c.

**Myrtle Gentry.** (9.1) Immense flowers of perfect rose form and wonderful substance on stiff stems. Color beautiful pink with tints of flesh and salmon. Tea rose fragrance. Late midseason. \$2.00.

**Octavie Demay** (8.5) Very large, flat crown, guards and center delicate hydrangea-pink, collar almost white. Very fragrant, very dwarf; Early. 50c.

★**Pierre Duchartre** (8.2) Large, compact flowers of a delicate lilac-pink; very fragrant. Late. 60c.

### ★Reine Hortense (President Taft) (8.7)

One of the finest Peonies in our Nursery. A vigorous, strong grower, a profuse bloomer, and an excellent cut-flower variety, cut blooms lasting a week or more. Its flowers are among the largest of any variety that we grow and the color is a beautiful uniform light pink, center flecked crimson. Midseason. This variety is a consistent prize winner at the large peony shows. 75c.

### ★Sarah Bernhardt (9.0)

This fine variety is one of the largest and best pink Peonies in the world. It is a vigorous grower and a prolific bloomer, carrying its perfectly formed flowers gracefully on tall stems. The color is a dark rose-pink, edged lighter pink; center flecked crimson. An extra good cut-flower variety, it is always found in the winning classes of every show room. Late midseason. Delightfully fragrant. \$1.00.

### Souvenir de Louis Bigot (9.1)

Large, convex blossoms with fringed petals. Color a brilliant rose, turning to salmon-pink. Midseason. 75c.

### ★Therese (9.8)

A wonderful Peony of perfect

habits and with immense, flat blooms of delicate texture. Color violet rose, changing to lilac-white. Early midseason. \$1.00.

### Walter Faxon (9.3)

Ranked by Mrs. Harding with Solange and Le Cygne as the three finest peonies. "Here is the most delectable hue of pink displayed by any of the peonies outside of the tree peonies," she writes. It is a free-blooming variety and grows strongly. Should be cut and allowed to open in the house where it will last for days in increasing beauty. Midseason. \$1.00.

## White and Light Varieties

### Alsace Lorraine (8.8)

One of the most charming and beautiful in our collection. Its large flowers borne in clusters, have petals long and slightly cupped, which radiate symmetrically from the center like a water-lily. The color is a rich, creamy white, center delicately tinted Havana brown. A very striking tone similar in effect to the greatly admired Solange. 75c.

### ★Avalanche (8.7)

A magnificent flower which opens like a rose. Pure white with a few pencillings of carmine. A chaste and beautiful variety of perfect form, delightfully fragrant; late midseason. An excellent cut-flower and landscape variety. 50c.

### ★Baroness Schroeder (9.0)

One of the finest Peonies in existence. Immense flowers of great substance with high chalice-shaped center. Opens a delicate flesh-white, sometimes a soft baby pink, changing to creamy-white. One of our best cut-flower varieties and an excellent keeper. Flowers held in cold storage as late as September have opened in perfect condition. June rose fragrance, late. 75c.

### ★Festiva Maxima (9.3)

An old variety which Mrs. Edward Harding says, "should be in every garden, large or small, lavishly arrayed or economically furnished." Flowers white, dotted carmine, are often 7 to 8 inches in diameter. Early. 50c.

### ★Frances Willard (9.1)

A perfectly-formed flower that is found among the winning classes in every show-room. Very large blooms, often having a raised, cup-shaped center inclosing golden stamens. Opens an exquisite blush-white, with an occasional carmine touch, changing to pure white. Of good substance and a fine cut-flower variety. Late midseason. 75c.

### ★Jubilee (8.9)

Extremely large, flat flowers of

ivory-white; petals long and narrow, loosely arranged, giving a feathery effect. Early 75c.

## Deluxe Peony Collection

Six of the world's finest varieties

9.9 LeCygne, white 9.4 Tourangelle, white  
9.2 Philippe Rivoire, red 9.8 Therese, pink  
9.7 Solange, cream 9.3 Walter Faxon, pink  
One each of the above (value \$8.50) for \$6.00



JAPANESE PEONY

**Kelway's Glorious** (9.8) An extremely large flower, full of glistening white petals, the outer edges of which are slightly crinkled and curved inward. Very fragrant. Late midseason. \$1.50.

**La Rosiere** (8.3) A dainty peony with rose-like flowers. It should not be disbudded, as sprays of its flowers are charming. It is semi-double, the outer petals pure white at center with a yellowish white border. Midseason. 50c.

**LeCygne** (9.9) (The Swan). "One of the three finest peonies," says Mrs. Harding. The curving petals of this magnificent flower are arranged like the feathers on a swan's wing. "Symmetrical, globular, of great size, fragrant, free-blooming, and milk-white," continues Mrs. Harding. "Le Cygne stands by itself." Has the highest rating of any Peony. Early midseason \$2.50.

★**Mme. Jules Dessert** (9.4) A strong-growing, free-blooming plant, of delicate coloring. When the flower is cut just as the bud unfolds, and is allowed to open in a shaded room, wonderful tints of flesh, straw and white can be seen to perfection. Midseason. 75c.

★**Mons. DuPont.** (er) ivory white with a yellow glow from golden stamens at the base of the petals. Tall, free-flowering, stiff stems. Late midseason. 50c.

**Nymphaea.** creamy white. Yellow stamens reflex a golden light throughout the flower. Midseason. 75c.

**Primevere** (8.6) "Finest of the yellow herbaceous peonies and one of the most fragrant," says Mrs. Harding. "Striking and ornamental in the garden, it is still more satisfying as a cut flower. Then its color is safely guarded, and its perfume fully enjoyed. Midseason. \$1.00.

**Solange** (9.7) Of this variety Mrs. Harding writes: "Until the lover of peonies knows Solange, his life is wasted, bare, uninteresting, improvised, and lonely beyond all words to tell. Its flower is high built, compact, and composed of large, thick petals which closely overlap. The color is deep cream, tinged with amber throughout, with a touch of soft, salmon-pink glowing from its heart." Late. \$1.00.

★**Tourangelle** (9.4) Pearl-white, overlaid with delicate shades of salmon; flowers flat, borne on long stems. Must be well established to get best results. Exquisite in its color tints if shaded from the sun when opening. Late. \$1.00.

## Peony Cover Collection

(Illustrated on Cover E)

One each of Baroness Schroeder, Sarah Bernhardt, Karl Rosefield and Mons. Jules Elie (value \$3.25), prepaid 600 miles from Chicago for \$2.00.

These are four of the World's Greatest Peonies. They will give you a spectacular display in the garden and each will last for days if cut in the bud and allowed to open in water in the house. And if you want to enter blooms in the flower shows, these are prize-winners. If you have the space, get a collection for your cutting garden as well as for your flower garden and you will not be disappointed.

## Red and Crimson Sorts

**Auguste Dessert** (8.7) Cup-shaped flowers of fine form, with rounded petals, velvety crimson-carmine, very brilliant, with silvery reflex and often streaked white. Midseason. 75c.

**Cherry Hill** (8.6) Deep garnet with conspicuous sheen. Stems strong and erect. Does not burn. Early. 75c.

## PEONIES—RED AND CRIMSON SORTS—Con.

**E. G. Hill** (7.8) Very large, double flowers of rich tyrian red with a fiery brilliancy. Of erect, rather dwarf, compact growth, with extra stiff stems. Early midseason. 50c.  
**Felix Crousse** (8.4) Its large, globular flowers, solid and compactly built from edge to center, are a rich, even, brilliant, dazzling ruby-red. Late midseason. 50c.

**Grover Cleveland** (8.2) Rose type; late. Rich, dark crimson; a strong grower. 50c.

**Karl Rosefield** (8.8) Very tall, compact grower of stately habit and an excellent bloomer, every stem carrying a huge, ball-like flower of rich velvety-crimson. Very brilliant and striking. We consider it the best all-round red Peony. Early midseason. 75c.

**Longfellow** (9.0) Perhaps the most brilliant of all the red peonies, as striking in the garden as in the showroom. It blooms in early midseason, has excellent foliage and strong, stiff stems. Very popular on account of its dependability and its vivid fadless color. 75c.

**Mary Brand** (8.7) Vivid crimson of immense size; full double; a free-bloomer and a strong grower; midseason. Excellent for cut flowers. \$1.00.

**Mad. Gaudichau** (8.2) Large, rather loosely built flowers of brilliant dark red; late midseason. Fine garden variety. Foliage vivid red in spring; stems red all summer. 90c.

**Mons. Martin Cahuzac** (8.8) Medium sized, globular blooms. Dark purple-garnet with black reflex. The darkest peony known. Strong, vigorous grower; free-bloomer; midseason. \$1.00.

**Officinalis Rubra Plena** (8.6) This is the old-fashioned red, the most brilliant of all red peonies; early and splendid cut flower. 75c.

**Philippe Rivoire** (9.2) Very dark crimson with velvety sheen. Perfectly formed, cup-shaped flowers with incurved center; delightfully fragrant; late. It is distinctly different and is the most beautiful and highest rated of all red Peonies. \$2.00.

**Richard Carvel** (8.8) Large globular flowers, all one shade of bright crimson. Tall, very stout stems, annual and profuse bloomer. Delicate fragrance. Early, usually in bloom for Decoration Day. 75c.

**Tenuifolia Flora Plena** A very early species, in bloom two weeks ahead of any other Peony. Flowers are a full-double brilliant crimson and the foliage is finely cut like that of the Cosmos. Very rare and always scarce. Should be mulched the first winter after planting. \$2.00.

## Good Peonies at Bargain Prices

3 for \$1.00

Any of the following, 50c each. Add for postage for 1 plant, 8c; for 3 plants, 16c.

**Alexander Dumas** (7.1) Light violet-rose, creamy collar. Midseason.

**Couronne d'Or** (8.1) Large, pure white with golden stamens. Late.

**Duchess de Nemours** (8.1) Beautiful sulphur-yellow; early, fragrant.

**Jeanne d'Arc** (7.9) Varied pink shades; midseason. Exquisitely fragrant.

**Mad. de Verneville** (7.9) Very full and double, pure white, center tinted blush. Exquisite rose fragrance. Very beautiful reliable bloomer; early.

**Mad. Ducel** (7.9) Like Mons. Jules Elie, but a smaller flower. Midseason.

**Marechal Valliant** (7.5) American Beauty color; very large; late.

**Un-named to Color** Double White—Double Red—Double Pink  
Each, 40c; 4 for \$1.00.

## 3 Extra Fine Peonies \$1.00

One each Edulis Superba (pink), Felix Crousse (red) and Mad. de Verneville (white) (value \$1.50) for \$1.00, postage 15c additional.

## Tree Peonies

Rare shrub-like plants. They are hardy, free-blooming, have rich coloring and thrive in an average soil in part or full sun. They should be mulched the first winter. We offer 2 years old grafted plants in 5 inch pots.

**Lactea** Pure white, blotched carmine. \$2.50.

**Reine Elizabeth** One of the best of the double-flowered varieties. Very large, bright salmon-pink; free flowering. \$2.50.

**Souv. De Maxine Cornu** Enormous flowers 8 inches or more across, with wrinkled petals of deep yellow, heavily shaded orange; fragrant. \$5.00.

**Souv. De Ducher** Large, globular bloom; bright reddish violet with silvery reflex. \$3.00.

## Japanese Flowered Peonies

These are entirely without pollen. The inner petals are a mass of filaments surrounded by a guard of petals.

**Ama-No-Sode** (9.2) Considered by many the handsomest pink Japanese peony. The flowers are large, of bright rose, shading lighter toward the edge of the petals. \$2.00.

**Fuyajo** (9.2) Outer petals dark, rich, mahogany-red with velvety shading. Petaloids dark red striped and tipped buff. \$1.00.

**Gold Mine** (8.2) Cup-shaped flowers of dark rose-pink with deep golden center. A strong grower and profuse bloomer. Midseason. 75c.

**Isani Gidui** (9.3) Large, perfectly shaped flowers of pure white with rich buff-yellow center. Midseason. Considered the most beautiful white Japanese Peony. \$2.50.

**Mikado** (8.6) Guards velvety crimson, forming a cup enclosing a filigree cushion of crimson petaloids, edged and tipped gold. 75c.

**Ruigegno** (8.0) Golden petaloids. A beautiful flower of fine substance. \$1.00.

**Torpilleur** (8.0) Guard petals lively purplish-carmine; central filamentous petals of same tint but streaked and tipped with yellow. 60c.

Plant a few of the Single and Japanese Peonies. They are very showy and artistic and make an unusually beautiful picture in the garden or when cut. At night and on cloudy days they close their petals and look like a bouquet of huge rose buds. Very effective.

**Special Offer No. 21.** One each of Gold Mine, Torpilleur, and Fusayama (value \$1.85) for \$1.00, postage 15c extra.

## Single Peonies

**Clio** (7.6) Large, cup-shaped single pink. Center a mass of long, golden pollen-bearing stamens, with pond lily fragrance. 60c.

**Fusayama** (7.6) Soft colored flesh pink. Extra fine variety. 50c; 3 for \$1.00.

**La Fiancee** (8.4) Pure white; very large, tall. 75c.

**Nympha** Large flowers of bright flesh-pink with golden stamens. 60c.

**Othello** Clear carmine, changing to deep rose; prominent yellow stamens. 75c.

**Veloutine** (7.3) Large single cup-shaped flower, like a tulip. Color velvety purple-red. 50c.

**Ya Machina** Large clear pink. 50c.

## Vines for Fall Planting

## CREEPER (Ampelopsis)

**Boston or Japanese Ivy** (Ampelopsis Tricuspidata or Veitchii). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, 50c; 3 for \$1.35; doz., \$5.00.

**Engelman's Creeper** (Ampelopsis Engelmanii). One of the hardest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner and of greater substance. Leaves color beautifully in the fall. 2 yr., 40c; 3 for \$1.15; doz., \$4.00; 3 yr., 50c; 3 for \$1.35; doz., \$5.00.

## HARDY ENGLISH IVY

**Hedera Helix Gracilis**. This variety has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places. 4 in. pots. 50c; 3 for \$1.35; 2½ in. pots, 35c; doz., \$3.00.

## HONEYSUCKLE (Lonicera)

We cannot speak too highly of this class for covering arbors, fences, pergolas, verandas, etc. They are fine for ground planting under trees, and if used on terraces or embankments will prevent washing. All are perfectly hardy and improve in beauty each year.

**Hall's Japanese Honeysuckle** (Lonicera Japonica Halleana). This is one of the finest of all vines that one can plant. It is a strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. 2 yr., 55c; 3 for \$1.40; doz., \$5.00.

**Everblooming Honeysuckle** (Lonicera Heckrottii). Remarkable for large size and distinct appearance of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., 60c; 3 yr., \$1.00.



**Gold Medal Collection.** One 2-yr. old roots, each, Jackmani, Henryi and Mad. Edward Andre. \$2.55.

## VIRGIN'S BOWER

**Clematis Virginiana**. Small white flowers in August; plump seed heads in fall. Foliage deeply toothed, purple in autumn. 2-year 50c; 3 for \$1.35.

## WISTERIA Magnifica

A strong, rapid-growing vine with light-green compound foliage of an evergreen nature and purple-lilac, pea-shaped flowers, borne in very dense, long pendulous racemes in late May. 2 yr. extra strong. 55c; 3 for \$1.50; 3 yr., 65c; 3 for \$1.80.

## DUTCHMAN'S PIPE

**Aristolochia Siphon**. A vigorous and rapid-growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, rich glossy, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It is very hardy and will thrive in sun or shade. 75c.



DWARF BURNING BUSH

### All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

Except where noted, 10 of one variety supplied at 10c less than each rate; 5 of one variety supplied at the 10 rate.

The figures in italics following each variety indicate in feet the average height of the plant at maturity.

B. & B. indicates "Balled and Burlapped."

### ALMOND (Prunus)

Flowering Almond (Prunus Glandulosa). 4 to 6 ft. These well known, bushy shrubs are favorites in the old gardens. They never fail to produce in early spring, before the leaves appear, a profusion of small very double white or pink, r. s. like flowers that are closely set along the branches.

Pink Flowering Almond (Prunus Glandulosa Sennensis). 2 to 3 ft., 80c; 3 to 4 ft., \$1.00.

### AZALEA

Chinese Azalea (A. Mollis). 3 to 4 ft. One of the most glorious of the Azaleas, with flowers of yellow, orange, lemon, salmon and terra-cotta borne before the leaves appear. It is of dwarf, compact growth with bright green foliage turning to bronze and red in fall. We can supply mixed colors only. 9 to 12 in. B. & B., \$1.50; 10, \$13.50; 12 to 15 in., B. & B., \$1.85; 10, \$17.50; 15 to 18 in., B. & B., \$2.90 each, 18 to 24 in., B. & B., \$3.25 each.

### BEAUTY BUSH (Kolkwitzia Amabilis)

Its trumpet-shaped pink flowers are freely produced. Grows from 6 to 8 ft. tall and fully that wide. Absolutely hardy and makes a wonderful showing in June. 3 to 4 ft., each, \$1.00; 3 for \$2.85.

### BURNING BUSH (Euonymus)

Winged Burning Bush (Euonymus Alatus). 6 to 8 ft. Bark cork-like and curiously winged; leaves small; fruit red; in autumn, foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations 2 to 3 ft., \$1.25; 10, \$10.00; 3 to 4 ft., \$1.50; 10, \$12.50.

Dwarf Burning Bush (Euonymus Alatus Compacta). 4 to 6 ft. A compact shrub that is especially attractive in the fall when the foliage turns crimson, and the whole bush resembles a ball of fire. Fine for formal effects as it may be kept trimmed to the size and height desired. 18 to 24 in., \$1.00; 3 for \$2.85; 2 to 2 1/2 ft., \$1.50; 2 1/2 to 3 ft., \$1.75.

European Burning Bush or Spindletree (Euonymus Europaeus). 12 to 14 ft. A tall, erect shrub, very handsome and conspicuous in autumn and winter when it is loaded with rose-colored capsules, from which orange-colored berries hang on slender threads. Rarely seen in gardens but one of our finest berried shrubs. 2 to 3 ft., 60c; 3 to 4 ft., each, 75c; 10, \$6.00; 4 to 5 ft., each, 90c; 10, \$7.50.

### CHERRY, JAPANESE FLOWERING

Probably no group of small-flowering trees attract more attention than the Japanese Cherries with their rose-like flowers. Thousands visit the large collection at Washington, D. C. annually. They will thrive in a fertile and well-drained soil and should be kept mulched for a few years.

Amanogawa (Milky Way). Of upright growth similar to that of the Lombardy Poplar. Valuable for formal plantings and for use in small gardens. Flowers semi-double, pale pink and fragrant.

Kwanzan (Sekizan). 20 to 25 ft. Often called the handsomest of all the double-flowering cherries. Its flowers are very full and double, often two inches wide, and are a deep pink or old rose.

October Cherry (Prunus Subhirtella Autumnalis). Single pink passing to white blossoms in spring, and usually a fall crop. 4 to 5 ft., \$3.00; 5 to 6 ft., \$3.50.

Price of above, except where noted, 5 to 6 ft., \$2.75; per 10, \$25.00.

Double Flowering Weeping—Subhirtella Type. In early spring its very slender, pendulous limbs are covered with myriads of small double pink flowers. 5 to 6 ft. stems, 2 yr. heads, \$4.00.

# Flowering Trees and Shrubs

### CORALBERRY

Coralberry or Indian Currant (Symphoricarpos Vulgaris). 3 to 4 ft. Purplish red fruit in Fall. Succeeds well in shade. 2 to 3 ft., each 40c; 10, \$3.00; 3 to 4 ft., each, 50c; 10, \$4.00.

New Red Coralberry (Symphoricarpos Chevalautei). 3 to 4 ft. Has larger and brighter coral-red berries than the above. 2 to 3 ft., 50c; 3 for \$1.25; 3 to 4 ft., 60c; 3 for \$1.55.

### CRANBERRYBUSH (Viburnum)

European Cranberrybush (Viburnum Opulus). 8 to 10 ft. Of upright, spreading habit with dense green foliage. The single white flowers, borne in flat, imperfect clusters in May, are succeeded with very showy, cranberry-like berries that cling to the leafless branches all winter. 2 to 3 ft., 65c; 3 to 4 ft., 75c;

### CRAB, FLOWERING (Malus)

Bechtel's Double-Flowering Crab (Malus Ioensis Bechteli). 10 to 15 ft. Trees of medium size are covered in early spring with large, beautiful, double fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., \$1.40; 4 to 5 ft., \$1.90.

Carmine Crab (Malus Atrosanguinea). 10 to 15 ft. Similar to the Japanese, with carmine flowers which do not fade. 3 to 4 ft.; 4 to 5 ft.; 5 to 6 ft.

Eleyi Crab (Malus Eleyi) (New). 10 to 15 ft. A valuable new variety with red foliage in spring, later turning to bronze green. Produces clusters of wine red flowers and fruits of a dark red color about the size of cherries. 3 to 4 ft., 4 to 5 ft., 5 to 6 ft.

Japanese Flowering Crab (Malus Floribunda). 10 to 15 ft. Best when grown naturally, when it is a broad, tall, round-topped bush, rather than a tree, with wide-spreading branches. The flowers as they open are red, changing to rose and white. The small, yellowish fruit often remains on the trees all winter. 4 to 5 ft., 5 to 6 ft.

Price of above, except where noted, 3 to 4 ft., \$1.25; 4 to 5 ft., \$1.75; per 10, \$12.50; 5 to 6 ft., \$2.25; per 10, \$20.00. Sizes which we have to offer noted after each variety. Write for prices on larger sizes.

### DOGWOOD (Cornus)

Coral Dogwood (Cornus Alba Sibirica). 6 to 10 ft. Bright coral-red branches. 2 to 3 ft., 50c; 10, \$4.00; 3 to 4 ft., 60c; 10, \$5.00; 4 to 5 ft., 75c; 10, \$6.00.

Goldentwig Dogwood (Cornus Stol. Flaviramea). 6 to 10 ft. Attractive golden yellow bark. 2 to 3 ft., 50c; 3 to 4 ft., 60c; 4 to 5 ft., 75c; 10, \$6.00.

### ELM (Ulmus)

#### 3 Quick Growing Varieties

American Elm, Moline Type (Ulmus Americana Molini). 80 to 100 ft. Exceedingly large foliage. Of upright habit, taking up little room. Splendid tree for the street or for small yards.

American Elm, Vase Type (Ulmus Americana Urni). 80 to 100 ft. A beautiful tree for landscape or boulevard planting where grace, dignity and uniformity are desired. A true vase-shaped tree. Prices of the above 2 Elm Trees as follows:

Height	Caliper	Each	10 for
8 to 10 ft.	1 to 1 1/4 inch	\$1.50	\$13.00
8 to 10 ft.	1 1/4 to 1 1/2 inch.....	2.00	17.50
10 to 12 ft.	1 1/2 to 1 3/4 inch.....	2.50	22.50
10 to 12 ft.	1 1/2 to 2 inch.....	3.00	27.50

Chinese or Siberian Elm (Ulmus Pumila). 75 ft. On account of its rapid growth, resistance to disease and ability to thrive in almost any situation, this new variety is already one of the most popular shade and street trees in America. A tree of rare beauty with small, dark green foliage.

Height	Caliper	Each	10 for
6 to 8 ft.	i.....	\$1.25	\$11.50
8 to 10 ft.	i to 1 1/4 inch.....	1.75	15.00
8 to 10 ft.	1 1/4 to 1 1/2 inch.....	2.00	17.50

Larger sizes, prices on application.

### FIREBUSH OR FLOWERING QUINCE

Firebush or Flowering Quince (Cydonia Japonica). 4 to 5 ft. Very showy in April when its branches are covered with brilliant orange-scarlet, flowers, followed by yellowish green, quince-shaped, fragrant fruits. 18 to 24 in., 50c; 10, \$4.00; 2 to 3 ft., 60c; 10, \$5.00.

### HYDRANGEA

Pegee Hydrangea (H. Paniculata Grandiflora). 8 to 10 ft. Immense panicles of bloom a foot long, white turning to rose, commencing to bloom in August.

Snowball Hydrangea (H. Arborescens Grandiflora). 4 ft. Large, flat heads of snow-white flowers in June and July. Thrives in shade.

Prices of above, 18 to 24 in., 60c; 3 for \$1.55; 10, \$5.00; 2 to 3 ft., 70c; 3 for \$1.85; 10, \$6.00.

### GOLDEN BELL (Forsythia)

Border Forsythia (F. Intermedia). 6 to 8 ft. Bright golden yellow flowers in early spring. 2 to 3 ft., 50c; 10, \$4.00; 3 to 4 ft., 60c; 10, \$5.00; 4 to 5 ft., 70c; 10, \$6.00; 5 to 6 ft., 80c.

Korean Golden Bell (F. Ovata). 5 to 8 ft. Extremely hardy and does not fail to bloom. The flowers are pale primrose-yellow and are produced 10 days before the other sorts. 2 to 3 ft., 75c.

Showy Border Golden Bell (Forsythia Intermedia Spectabilis). 6 to 8 ft. Considered the best of the Forsythias on account of its larger and richer yellow blossoms, which completely cover the wide spreading branches in early spring. 2 to 3 ft., 55c; 10, \$4.50; 3 to 4 ft., 65c; 10, \$6.00; 4 to 5 ft., 75c.

### HONEYSUCKLE (Lonicera)

Lonicera Korolkowi Floribunda. 10 ft. Twiggly growth, arching in habit and with a mass of gray-green foliage. The masses of delicate pink flowers are carried high on the plants, producing a misty effect. Conspicuous orange red fruits. 2 to 3 ft., 60c; 10, \$5.00; 3 to 4 ft., 75c; 10, \$6.00; 4 to 5 ft., \$1.00.

Late Honeysuckle (Lonicera Maackii Podocarpa). 12 to 15 ft. Widespread branches abundantly clothed with dark green foliage. Its honey-scented flowers open white tinged with pink and fade to cream. Although it blooms in June, its brilliant scarlet fruit does not ripen until November. 3 to 4 ft., 65c; 10, \$5.50; 4 to 5 ft., 75c; 5 to 6 ft., 85c.

Pink Tatarian Honeysuckle, (Lonicera Tatarica Rosea). 9 to 10 ft. One of our best shrubs for screen and border plantings. 2 to 3 ft., 50c; 3 to 4 ft., 60c; 10, \$5.00; 4 to 5 ft., 70c; 10, \$6.00.

### JETBEAD (Rhodotypos Kerrioides)

4 to 5 ft. This handsome useful shrub will thrive in dry, shaded locations, in smoky cities, under trees and on the north side of buildings. Single white flowers like mockorange blossoms, borne in May and intermittently all summer, are followed by shining black berries which persist throughout the winter. 18 to 24 in., 50c; 2 to 3 ft., 55c.

### MAIDENHAIR TREE

Ginkgo Biloba. 50-60 ft. A highly ornamental tree of slender upright habit. The leaves are fan-shaped, resembling the maidenhair fern, and are a deep green, turning to rich golden yellow in fall. Native of China, and although now quite rare, it is the oldest species in cultivation. It is immune to the attacks of insects and diseases and will thrive in the unnatural conditions of our cities. 6 to 8 ft., 3/4 to 1 inch caliper, \$3.90; 8 to 10 ft., 1 to 1 1/4 inch caliper, \$4.90.

### MOUNTAIN ASH

#### (Sorbus Aucuparia)

25 to 30 ft. A handsome tree with compound leaves of dark green, turning a golden yellow in autumn. The white flowers are followed in fall by large clusters of bright red berries. 6 to 8 ft., \$1.75; 8 to 10 ft., \$2.00; 8 to 10 ft., 1 1/4 to 1 1/2 in., \$2.50.



AMERICAN ELM, MOLINE TYPE

# for the Home Landscape

## Outstanding Lilac Novelties

**Jan Van Tol.** Single, pure white, very large trusses and extremely large individual flowers; it is a very good grower and flowers very freely. 2 to 3 ft., \$2.00; 3 to 4 ft., \$2.50.

**President Poincare.** Enormous, compact trusses of very large, full double flowers. Huge, dark red buds that open into lavender-blue flowers, presenting an unusually beautiful combination of colors. Very fragrant. 2 to 3 ft., \$2.50; 3 to 4 ft., \$3.00.

**Ruhm von Horstenstein.** Distinct new shade among the tall, large flowered Lilacs. Buds deep red changing to lovely lilac. Delicious perfume; single. Very floriferous, blooms completely covering the bushes. 2 to 3 ft., \$2.00; 3 to 4 ft., \$2.50.

**SPECIAL OFFER.** One each of the above 3 Lilacs, 2 to 3 ft., \$5.00.

**Diderot.** Single, enormous panicles, one foot long, with large claret-purple flowers; very free; dwarf. 2 to 3 ft., \$2.50.

**Lucie Baltet.** Buds coppery old rose; flowers flesh-pink. Said to be the nearest to pure pink. Very beautiful and unusual single that attracts much attention. 18 to 24 in., \$2.00; 2 to 3 ft., \$2.50.

**Marechal Lannes.** Extra large trusses of double or semi-double flowers of beautiful bluish violet. Individual florets are of amazing size, the largest of any variety in our collection. A very showy lilac and one of our favorites. Fragrant. 2 to 3 ft., \$2.50.

## FRENCH HYBRID LILACS (Syringa)

**Berryer.** Long trusses of semi-double mauve flowers; buds reddish-purple. Fragrant; very early. 2 to 3 ft.

**Buffon.** Single; elegant cluster of flowers, mauve-pink with reflexed lobes; buds dark rose; early. 2 to 3 ft., 3 to 4 ft.

**Charles Joly.** Double flowers of dark wine-red with silvery reverse. 2 to 3 ft., 3 to 4 ft., 4 to 5 ft.

**Charles X.** Magnificent trusses of single, reddish-purple flowers. Very free flowering and a strong rapid growing variety. Fragrant. 2 to 3 ft., 3 to 4 ft.

**Descartes.** Single; mauve-pink; exceedingly free. Very early. 2 to 3 ft.; 3 to 4 ft., 4 to 5 ft.

**Ludwig Spaeth.** Immense clusters of single, deep purplish red flowers. 2 to 3 ft.; 3 to 4 ft.

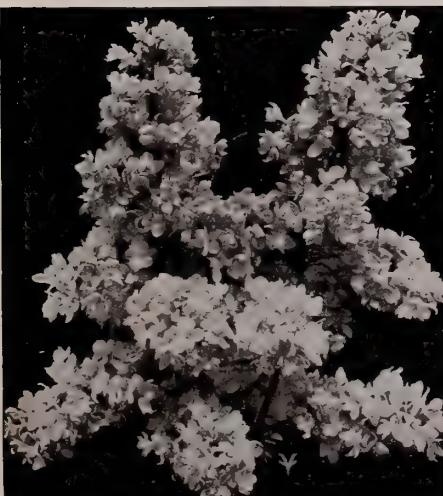
**Mad. Lemoine.** Double pure white in large clusters. Strong grower. 2 to 3 ft., 3 to 4 ft.

**Michael Buchner.** Very double, large flowers of pale lilac. 3 to 4 ft., 4 to 5 ft.

**Montaigne.** Double. Very large clusters of mauve-pink flowers. It is the last of the Hybrid Lilacs to bloom and it is noted for the remarkable abundance of its flowers. 2 to 3 ft., 3 to 4 ft., 4 to 5 ft.

Sizes which we have to offer noted after each variety.

Prices of above, except where noted, 2 to 3 ft., each, \$1.50; 3 for \$3.75; 3 to 4 ft., each, \$2.00; 3 for \$5.00; 4 to 5 ft., each, \$2.50.



HYBRID LILAC

## LATE LILACS

**Josikaea (Hungarian Lilac).** 8 to 10 ft. Dark lilac-colored flowers, blooming the first week in June, after the common varieties are gone. Very distinct and beautiful.

**Villosa (Late Lilac).** 7 to 8 ft. An attractive, round-topped shrub with bright green foliage. Flowers flesh-colored and borne in clusters. Blooms after the common Lilacs are gone.

Each of above, 3 to 4 ft., 70c; 3 for \$1.80; 4 to 5 ft., 80c; 3 for \$2.15; 5 to 6 ft., \$1.00.

## MAPLE (Acer)

**Amur Maple (Acer Ginnala).** 10 to 15 ft. A graceful large shrub or small tree, low branched and bushy. Its small foliage, prettily cut and lobed, turns a brilliant red in autumn. It is extremely hardy and may be used as a substitute for the Japanese Maple. 3 to 4 ft., 90c; 10, \$7.50; 4 to 5 ft., \$1.25; 10, \$10.00.

**Norway Maple (Acer Platanoides).** 50 to 75 ft. A large and handsome tree with spreading branches, and compact, round head. Broad, dark green foliage, fading with tones of yellow and gold in autumn.

Height	Caliper	Each	10 for
8 to 10 ft.	1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ inch	\$3.00	\$27.50
8 to 10 ft.	1 $\frac{1}{2}$ to 1 $\frac{3}{4}$ inch	3.50	32.50
10 to 12 ft.	1 $\frac{1}{4}$ to 2 inch	4.00	37.50

Larger sizes, prices on application.

**Sugar Maple (Acer Saccharum).** 50 to 75 ft. A tall stately tree of vigorous growth with deeply lobed, dark green foliage, changing in autumn to brilliant tones of orange and lemon.

Height	Caliper	Each	10 for
8 to 10 ft.	1 to 1 $\frac{1}{4}$ inch	\$2.50	\$22.50
8 to 10 ft.	1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ inch	3.00	27.50
10 to 12 ft.	1 $\frac{1}{2}$ to 1 $\frac{3}{4}$ inch	3.50	32.50

**Schwedler Maple (Acer Platanoides Schwedleri).** 40 to 60 ft. Especially attractive in the spring, when their gleaming red and purple leaves contrast brightly with the delicate green of other trees. They change to dark green during the summer and fade with tones of yellow and brown in the fall.

Height	Caliper	Each	10 for
8 to 10 ft.	1 $\frac{1}{4}$ to 2 inch	\$5.75	\$55.00
10 to 12 ft.	2 to 2 $\frac{1}{4}$ inch	6.75	65.00
10 to 12 ft.	2 $\frac{1}{4}$ to 2 $\frac{3}{4}$ inch	8.00	75.00

## PLUM (Prunus)

**Double-Flowering Plum (Prunus Triloba).** 7 to 8 ft. Native of China. Flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold. 2 to 3 ft., 90c; 3 for \$2.45; 3 to 4 ft., \$1.00; 3 for \$2.75; 4 to 5 ft., \$1.25.

**Nanking Cherry (Prunus Tomentosa).** 4 to 6 ft. An extremely hardy shrub that in April just as the leaves begin to unfold, is clothed with a profusion of pale pink flowers that are followed by brilliant scarlet, edible fruits that ripen in June. It is an ideal dwarf tree for a border planting. 2 to 3 ft., 65c; 3 for \$1.80; 3 to 4 ft., 75c; 3 for \$2.10.

**Newport Purple-leaved Plum (Prunus Cerasifera Newport).** 12 to 15 ft. A small tree shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint until they drop, late in autumn. The tree is covered early in the spring with small, single pink flowers, which appear before the leaves. 4 to 5 ft., \$1.25; 5 to 6 ft., \$1.50.

**Purple-leaved Flowering Plum (Prunus Bliriana).** 12 to 15 ft. Has a wealth of fragrant, double pink flowers on long slender branches for 3 or 4 weeks in early spring. Foliage plum-like and heavily tinted with bronze which persists all summer. 4 to 5 ft., \$1.50; 5 to 6 ft., \$2.00.

## MOCK ORANGE (Philadelphus)

**Avalanche.** 3 to 4 ft. Single, fragrant snowy white flowers which cover the whole length of the slender, drooping branches. 2 to 3 ft., 50c; 3 to 4 ft., 60c.

**Bouquet Blanc.** 4 to 5 ft. Each single branch of the variety has the appearance of a bouquet when thickly set with fragrant, semi-double flowers. Of upright growth. 2 to 3 ft., 60c; 3 to 4 ft., 75c; per 10, \$6.00; 4 to 5 ft., 90c; per 10, \$7.50.

**Norma.** 7 to 8 ft. Unusually large, glossy white, single flowers in good sized sprays. An upright grower with light green leaves. 2 to 3 ft., 60c; 3 to 4 ft., 75c; per 10, \$6.00; 4 to 5 ft., 70c; per 10, \$7.50.

**Virginiana.** 7 to 8 ft. One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with extra large, single and semi-double flowers that are pure white and sweet-scented. It has a long blooming season, the new wood producing large individual flowers often 3 inches across, throughout the summer. 2 to 3 ft., 60c; 3 to 4 ft., 70c; 10, \$6.00; 4 to 5 ft., 90c; 10, \$7.50; 5 to 6 ft., \$1.00.

## GOLDEN ROSE OF CHINA

**Golden Rose of China (Rosa Hugonis).** 6 ft. This is one of the earliest roses to bloom and it makes a very spectacular show when the long arching branches are thickly set with lovely single yellow flowers in May. It never winter-kills. 2 year, 65c; 3 for \$1.80; 10, \$5.50; 3 years, 75c; 3 for \$2.10; 10, \$6.50.



PHILADELPHUS Virginalis

## OREGON HOLLYGRAPE

**Mahonia Aquifolia.** 2 to 4 ft. An almost evergreen shrub with dark lustrous green, spiny toothed leaves that look like holly. Flowers yellow, in dense clusters appearing in spring. Berries blue or nearly black. Splendid for planting in semi-shade. 12 to 15 in., B. & B., \$1.25; 10, \$10.00; 15 to 18 in., B. & B., \$1.50; 10, \$12.50; 18 to 24 in., B. & B., \$2.00; 10, \$17.50.

## RUSSIAN OLIVE

### (Eleagnus Angustifolia)

20 ft. A large tree-like shrub. Leaves light green above, silvery white beneath, very showy. Small, very fragrant yellow flowers in June, silvery fruits in August. Extremely hardy. Will thrive in dry situations. 3 to 4 ft., 60c; 5 to 6 ft., 90c; 10, \$7.50.

## SHRUBBY CINQUEFOIL

**Potentilla Fruticosa.** 2 to 4 ft. A desirable low-growing shrub, thriving either in wet or dry soil, producing bright yellow flowers throughout the summer; suitable for rockeries and in front of taller shrubs. 18 to 24 in., 60c; 2 to 3 ft., 75c; 10, \$6.50.

## SNOWBALL

**Old-Fashioned Snowball (V. Opulus Sterile).** 8 to 10 ft. Large balls of white flowers in May 2 to 3 ft., 75c; 3 to 4 ft., 90c; 10, \$7.50.

**Fragrant Snowball (Viburnum Fragrans).** 8 to 9 ft. Very rare and interesting new shrub that blooms in April. At that time its leafless branches are clothed with profuse trusses of white flowers that are deliciously fragrant. 2 to 3 ft., B. & B., \$3.00; 3 to 4 ft., B. & B., \$5.00.

## SNOWBERRY

**Snowberry (Symphoricarpos Racemosus).** 3 to 5 ft. Waxy white berries in fall. Does well in shade. 2 to 3 ft., 45c; 10, \$4.00; 3 to 4 ft., 50c; 10, \$4.50.

## SNOWGARLAND (Spiraea Arguta)

4 to 5 ft. A remarkable floriferous and showy shrub. Leaves narrow, bright green fading with tones of yellow and orange in fall. The flowers are small, pure white, and borne in early spring in such great profusion that the whole shrub appears laden with snow. 2 to 3 ft., 45c; 10, \$4.00; 3 to 4 ft., 55c; 10, \$4.50; 4 to 5 ft., 70c; 10, \$6.00.

## EUONYMUS (Wintercreeper)

This group of trailing Euonymus is valued for their dense evergreen foliage and hardiness. They can be used for ground covers on terraces or under trees and are very effective when planted with Evergreens.

**Bronze Wintercreeper (Euonymus Radicans Col. orata).** A fine new variety introduced by the Arnold Arboretum, with bright red foliage in winter. 12 to 15 in., 50c; 10, \$4.00; 15 to 18 in., 55c; 10, \$4.50; 18 to 24 in., 60c.

**Bigleaf Wintercreeper (Euonymus Radicans Vegetus).** This hardy evergreen trailer has round leaves, and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. Makes a useful ground cover or will climb on brick or stone. 12 to 15 in., 65c; 10, \$5.50; B. & B., \$1.00; 10, \$9.00; 15 to 18 in., 90c; 10, \$7.50; B. & B., \$1.40; 18 to 24 in., B. & B., \$1.75.

# Hedges of Flowers, Fruit or Foliage



KOREAN BARBERRY

Increasing use of hedges is being made in landscape planting. In sections where evergreen hedges are difficult, a great variety of deciduous plants have been found to serve well.

Hedges are used for windbreaks, for boundary plantings, for architectural effects about house and terrace, and to provide the necessary frame for garden views and background for floral beauty.

We list on this page plants which have been found useful for planting in hedge rows. Among them will be found plants suitable for both tall and low hedges; some of which bear foliage only, and others which in addition to the thick wall of leaves necessary to produce a good hedge, will in season bear flowers, or fruit.

## BARBERRY (*Berberis*)

**Japanese Barberry** (*Berberis Thunbergi*). 4 ft. Popular hedge plant. Scarlet berries in fall and winter. 18 to 24 in., 40c; 10, \$3.50; 100, \$30.00; 24 to 30 in., 50c; 10, \$4.50; 100, \$40.00.

**Mentor Barberry** (*Berberis Mentorensis*). (Patent No. 99.) 3 ft. It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and as dark green as the Japanese Yew. With us here the leaves remain green until after the holidays, but are dropped in late winter. An ideal shrub for low hedges or foundation plantings. 15 to 18 in., 55c; per 10, \$3.75; per 100, \$30.00; 18 to 24 in., each, 70c; per 10, \$5.00; per 100, \$40.00.

**Red-Leaved Japanese Barberry** (*Berberis Thunbergi Atro-Purpurea*). 4 ft. Similar in all respects to the green-leaved Japanese Barberry, but the foliage is a rich, bronzy red, similar to the red-leaved Japanese Maples. Plant in full sun to develop its coloring. 15 to 18 in., 45c; 10, \$4.00; 100, \$35.00; 18 to 24 in., 55c; 10, \$4.50; 100, \$40.00.

**Truehedge Columnberry** (*Berberis T. Erecta*). (Patent No. 110.) 4-5 ft. It is decidedly more dense, more upright and more richly foliated than the common Thunbergi. Of distinct pyramidal habit, it may be used for formal hedge or individual specimens without pruning. 15 to 18 in., each, 45c; per 10, \$3.00; per 25, \$6.25; per 100, \$22.00; 18 to 24 in., each, 45c; per 10, \$3.50; per 25, \$7.00; per 100, \$25.00.

**Korean Barberry** (*Berberis Koreana*). 6 ft. A tall, dense, slender stalked variety. Its large, nodding green leaves, paler beneath, turn red orange and purple in the autumn and are especially effective at that time, when the colored veins give marked contrast as they change in September. Has bright red berries that hang on late into winter. 2 to 3 ft., 85c; 10, \$7.50; 100, \$50.00; 3 to 4 ft., \$1.00; 10, \$8.50; 100, \$65.00.

## BRIDALWREATH (*Spiraea*)

5 to 6 ft. One of the most beautiful and useful shrubs. 2 to 3 ft., 40c; 10, \$3.50; 100, \$25.00; 3 to 4 ft., 55c; 10, \$4.50; 100, \$30.00; 4 to 5 ft., each, 65c; 10, \$5.50; 100, \$35.00.

## BUCKTHORN (*Rhamnus*)

**Cathartica**. 10 to 12 ft. A fine, robust shrub, with handsome dark green foliage and showy black berries. It is extremely hardy and will thrive in dry soils or partial shade. Makes a fine hedge, either informal or clipped. 3 to 4 ft., 50c; 3, \$1.35; 10, \$4.00; 4 to 5 ft., 65c; 3, \$1.80; 10, \$5.50; 5 to 6 ft., 75c; 3, \$2.10; 10, \$6.50.



CHINESE ELM HEDGING

**Ulmus Pumila** (Chinese Elm Hedging). It forms a beautiful, dense, impenetrable hedge with small, dark green foliage. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 18 to 24 in. seedlings, not transplanted, 10, \$1.00; 50, \$4.50; 100, \$8.00. 2 to 3 ft. seedlings, not transplanted, 10, \$1.50; 50, \$6.00; 100, \$10.00.

## COTONEASTER

**Peking Cotoneaster** (*Acutifolia*). 5 to 10 ft. Small leathery leaves of rich glossy green on willowy brown branches closely set with small pink flowers in May; jet black berries in fall. It is a beautiful shrub and makes one of our finest hedges, due to its upright growth and adaptability to dry situations. Can be trimmed like Privet. Recommended in the North where hedge plants must be extremely hardy. 2 to 3 ft., 50c; 3, \$1.35; 10, \$4.00; 100, \$35.00; 3 to 4 ft., 60c; 3, \$1.65; 10, \$5.00; 100, \$40.00.

**Spreading Cotoneaster** (*Divaricata*). 5 to 6 ft. Especially prized for its dark scarlet fruits which last until late in the autumn. It forms a wide-branched, densely twiggy bush from 5 to 6 ft. tall and much more in diameter. The leaves turn a brilliant crimson before they fall. An excellent hedge plant. 3 to 4 ft., each, 75c; 3, \$2.10; 10, \$6.00; 3 to 4 ft., B. & B. each, \$1.25; per 10, \$10.00; 4 to 5 ft., \$1.00; 3, \$2.85; 4 to 5 ft., B. & B., \$2.00.

## PRIVET (*Ligustrum Amurense*)

12 ft. One of the best hardy hedge plants. 18 to 24 in. heavy, 20c; 10, \$1.60; 100, \$14.00; 2 to 3 ft., 30c; 10, \$2.00; 100, \$18.00; 3 to 4 ft., heavy, 35c; 10, \$2.50; 100, \$22.50.



HANSEN BUSH CHERRY

RUGOSA ROSE *Belle Poitevine*

## HANSEN BUSH CHERRY

**Prunus Bessyae**. 4 to 5 ft. Hardy, quick-bearing cherry. Fruit resembles a small plum, massed in clusters from the ground up; good to eat fresh and makes delicious preserves. Have striking ornamental value, dwarf, bushy nature, fragrant white flowers in spring and beautiful silvery green foliage which turns rich red and gold color in fall. 18 to 24 in., 55c; per 3, \$1.50; per 10, \$4.50; 2 to 3 ft., 70c; 3 for \$1.95; per 10, \$6.00.

## PERSIAN LILACS

**Persian Purple** (*Syringa Persica*). 8 to 10 ft. The most graceful and freely flowering of the Lilacs and one of the most beautiful hedge and screen plants in existence. The leaves are long and narrow; the branches drooping and willowy; and the purple-lavender flowers, in loose panicles, come in such profusion that they completely cover the plants. 2 to 3 ft., 55c; 10, \$4.50; 100, \$40.00; 3 to 4 ft., 65c; 10, \$5.50; 4 to 5 ft., 90c; 10, \$7.50.

## HYBRID RUGOSA ROSES

**Belle Poitevine**. 5 to 6 ft. Very large, full double, loosely formed flowers of bright pink, borne in large clusters. 2 yr., 60c; 10, \$5.00; 3 yr., 75c; 10, \$6.00.

**Hansa**. 5 to 6 ft. Double, reddish-violet flowers of large size, freely produced. Very sweet scented. 2 yr., 60c; 10, \$5.00. 3 yr., 75c; 10, \$6.00.

**F. J. Grootendorst**. 5 to 6 ft. A cross between the Rugosa and the Crimson Baby Rambler. The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost. 2 year, 75c; 10, \$6.50.

**Pink Grootendorst**. 5 to 6 ft. A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink. 2-year, 75c; 10, \$6.50.

## EVERBLOOMING SPIRAEA

**Spiraea Froebeli**. 3 ft. Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs for general use and for flowering hedges. 18 to 24 in., 45c; 10, \$3.50; 24 to 30 in., 50c; 10, \$4.00; 100, \$25.00; 2½ to 3 ft., 60c; 10, \$4.50; 100, \$30.00.

**Spiraea Anthony Waterer**. 3 ft. Flat clusters of rosy-crimson flowers throughout the summer and fall. 15 to 18 in., 45c; 3 for \$1.25; 10, \$4.00; 18 to 24 in., 55c; 3 for \$1.50; 10, \$4.50.

## DWARF BLUE-LEAF ARCTIC WILLOW

**Salix Purpurea**. A charming low growing Willow, with foliage of a lovely blue green. Excellent for low edging or can be clipped for formal effects. Grows anywhere, wet or heavy soils and can withstand extreme low temperatures. Plant 12 inches apart. 18 to 24 in., 50c; 10, \$4.00; 100, \$30.00.

We have a large assortment of the most popular and meritorious ornamental shrubs, shade trees, evergreens, vines and fruit trees. These are listed in our Spring catalogue issued about January First. If you wish stock not listed in this catalogue or stock in large sizes, send us your list and we will quote prices.

# Giant Pansies

For Complete List of Pansies, See Our Spring Illustrated Catalog.

3892 Swiss Alpenglow. Rich wine red shades. Pkt., 25c.

3896 Swiss Berna. Dark violet blue. Pkt., 25c.

3891 Swiss Blue(Ullswater)(Thunder Sea). Deep blue flower with blue-black blotches. Pkt., 25c.

3820 Swiss Coronation Gold. Canary yellow flushed orange, flowers 3 in., ruffled, spicy scent. Pkt., 50c.

3897 Swiss Delft Blue. A delightful tone of translucent blue of good size and substance. Pkt., 25c.

3895 Swiss Luna. Light straw yellow. Pkt., 50c.

3900 Swiss Pure White. Very free-blooming. Pkt., 50c.

3893 Swiss Yellow (Rheingold). Rich yellow with blotches on the three lower petals. Pkt., 25c.

## Vaughan's Super Swiss Giant Mixture

3894 The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring continuing in flower all summer until late in fall. Pkt., 35c;  $\frac{1}{8}$  oz. \$1.25;  $\frac{1}{4}$  oz., \$2.00;  $\frac{1}{2}$  oz., \$3.50.

3880 Vaughan's International Mixture. A mixture of special strains including Swiss Giants, Maple Leaf Giants and other mixtures. Flowers of largest size and great substance in the most varied colors and color combinations. Pkt., 25c; 3 pkts. for 65c;  $\frac{1}{8}$  oz., \$1.50.

## Vaughan's Super Maple Leaf Giant Mixture (Canadian Giants)

3794 It is quite different from other types. The leaves are of giant size and the flowers are up to 4 inches across, under good cultivation. Of wonderful substance and fine form. Many charming colors are included. This has been a prize winner whenever shown. Pkt., 50c;  $\frac{1}{8}$  oz., \$1.50.

## Annual Flower Seeds for Fall Sowing

WHEN you sow seeds of annuals in Fall, you imitate Nature's method. Practically all hardy annuals will produce stronger, sturdier plants with earlier bloom by this method. Even when spring sowing is desirable, experienced gardeners also sow in fall because they then have a continuous season of bloom. Also, they can sow at their leisure instead of trying to plant everything in a few short weeks. Do not be in too much of a hurry to sow.

The ideal time is just before the ground freezes for the winter. November 15th is early enough in normal seasons in the vicinity of Chicago and New York. If the ground has been prepared in advance, sowings can also be made during winter thaws.

A fine seed bed is desirable. No covering of any kind is needed unless there is danger of washing or from birds, in which case a light, loose covering of evergreen boughs can be used. Plant at half the depth used when sowing seed in spring. Broadcast all small seed.

Pansies and Violas must be sown as early as September 1st, but should then be protected with straw or glass sash during the winter.

255 Alyssum. Vaughan's Little Gem. Snow-white carpet plant. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

425 Antirrhinum. (Snapdragon). Vaughan's Special Mixture. Pkt., 15c;  $\frac{1}{8}$  oz., 25c.

1245 Calliopsis. Vaughan's Special Mixture. Graceful cut flower. Pkt., 10c;  $\frac{1}{4}$  oz., 30c.

1260 Candytuft. Giant Hyacinth-Flowered White. Large bold spikes. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

CENTAUREA CYANUS SUPER-DOUBLE

1506 Blue Boy. The true corn-flower blue. Pkt., 15c.

1507 Pinkie. Lovely true pink. Pkt., 15c.

1508 Red Boy. Deep glowing red. Pkt., 15c.

1509 Snowman. Pure white. Pkt., 15c.

1522 Vaughan's Special Super Double Mixed. Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 75c.

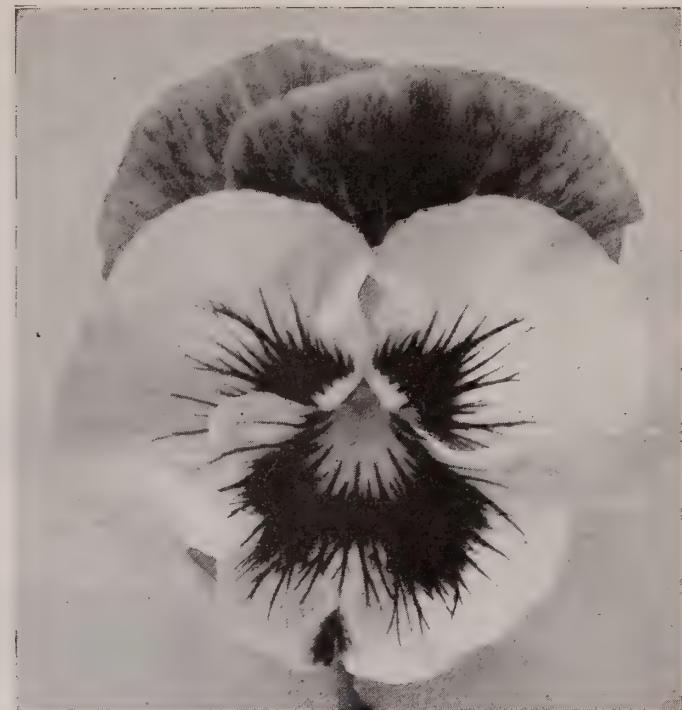
1966 Cosmos. Sensation Special Mixed. New Giant Early Strain. Pkt., 15c.

2015 Cynoglossum Amabile Blue Bird (Chinese Forget-Me-Not). 18 to 24 in. A lovely plant producing large sprays of brilliant blue Forget-Me-Not like flowers. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

2301 Dianthus Pinks. Vaughan's Special Double and Single Mixture. Pkt., 25c; 3 pkts., 65c.

2415 Escholtzia. California Poppy. Vaughan's Special Mixture. Pkt., 10c;  $\frac{1}{4}$  oz., 30c.

2860 Bush Escholtzia Hunnemannia, or Santa Barbara Poppy. The plants grow into shrubby bushes, producing their large cup shaped flowers 3 in. across on stems 12 in. long. The petals are broad and crinkled. Does best in well limed sandy soil. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.



PANSY VAUGHAN'S SUPER SWISS GIANT MIXTURE

## VIOLA CORNUTA HYBRIDS—Continued.

5788 Black Prince, 8 in. velvety black. Pkt., 10c.

5789 Blue Butterfly, vivid mid-blue shading to white in the upper petals. Pkt., 25c.

5798 Lutea Splendens, bright yellow. Pkt., 10c.

5813 Viola Cornuta. Vaughan's Special Mixture. Produces flowers with "faces," the colors range from pale lavender to deep rich purple, many charming intermediate shades. Pkt., 25c.

5797 Johnny-Jump-Up or Viola Tricolor. The plants are easily raised from seed, come into bloom very quickly, violet blue flowers with yellow blotches on two upper petals. Perfectly hardy and will reseed itself. Useful as ground cover for lilies. Pkt., 25c.

## Delphinium (Pacific Giant)

Sown at this time, seedlings will come thickly. They should be given shade to protect them from hot sun; and carried over the winter by preference in a cold frame.

7563 Black Knight. Darkest of all. Flowers 2 $\frac{1}{2}$  to 3 inches with heavy velvety texture.

7559 Blue Jay. From medium to dark blue with dark bee.

7563a Camelopard Series. This is a pure lavender self, white bee.

7560a Lancelot. Lilac with white bee.

PRICE, Each of the above, \$1.00 per packet.

7561a Guinevere. Pink lavender with white bee.

7562 Summer Skies. Light blue with white bee.

7563a Clear White. Of glistening texture.

7559 Round Table Series. As the name implies this represents all of the color combinations of the above Knights and their Ladies.

PRICE, Each packet of the above, 75c per packet.

## Standard Colors of Pacific Hybrid

7556 Dark Blue Shades

7557 Light Blue Shades

7557a Medium Blue Shades

7558 Lavender Pastel Shades

7558a Mixed

PRICE, Each packet, 50c per packet.

## VISIT OUR TRIAL GROUNDS

Now is the best time to visit our Trial Grounds, located at 47th Street and Willow Springs Road, Western Springs, Illinois. These grounds are open to visitors during the summer and fall and we extend a cordial invitation to all interested in horticulture to visit them. Every variety is plainly marked.

## VIOLA CORNUTA TYPE

5785 Admiration, violet-blue. Pkt., 10c.

5790 Blue Perfection, light blue. Pkt., 10c.

5804 Chantreyland, apricot, very free flowering. Pkt., 25c.

5791 Golden Orange, rich shade. Pkt., 15c.

5793 G. Wermig, resembles large violet. Pkt., 25c.

5809 Ilona, wine red. Pkt., 25c.

5796 Jersey Gem, flowers of rich pure violet, large and fragrant, flowering persistently all summer. Pkt., 25c.

5802a King Henry, rich violet blue, lavender center with small yellow-eye. Pkt., 25c.

5806 White Perfection, finest white. Pkt., 10c.

CORNUTA HYBRIDS (Large Flowered)

5787 Arkwright Ruby, bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.

## HORMODIN ROOT FORMING CHEMICAL

Hormodin is a hormone-like plant growth substance. Its principal use is to stimulate rapid root growth on cuttings. Makes it possible for growers to reproduce plants from cuttings with high percentages of successful results. Small size package, 50c. Medium size, \$1.00; 240 unit size, \$2.50; 480 unit size, \$4.50; 960 unit size, \$8.00.



## HORMODIN POWDERS

POWDER NO. 1. Designed primarily for use on Carnations, Chrysanthemums, Poinsettias, Roses, and similar types. Many house, garden, and greenhouse plants are included in the complete list. Price, 1 1/4 oz. pkg., each, 50c; 1 lb., \$3.00.

POWDER NO. 2. Designed for use on less sensitive species which comprise many of the semi-woody types and many of the common shrubs. Price, 1 1/4 oz., 75c; 1 lb., \$4.50.

POWDER NO. 3. Designed for use with the more resistant species which comprise most of the evergreens and dormant leafless cuttings. Price, 1 oz., \$1.00; 1/2 lb., \$4.50.

The three Hormodin Powders are designed to cover the full propagating range with a one-dip treatment. Complete directions for each powder are included with the package.

Combination package of No. 1-2-3 in one carton, each, 75c.

## FRUITONE

The hormone spray for stopping pre-harvest drop. 2 oz., \$1.00; 12 oz., \$5.00.

## TRANSPLANTONE

For treatment of transplants of all kinds it contains the root forming hormones and Vitamin B-1. 1 oz., 50c; 3 oz., \$1.00; lb., \$4.00.



## ROOTONE

A hormone powder easy to use, anyone can apply safely, no skill is needed to apply Rootone, no measurements, no vials, no elaborate charts to follow, just dip and plant. Price, 1/4 oz. pkg., 25c; 2 oz. jar, enough to treat 3,000 cuttings, \$1.00; 1 lb. jar will treat up to 30,000 cuttings, \$5.00. Write for leaflet; all postpaid.

## MACKWIN VITAMIN B-1

1/2 oz. bottle of liquid vitamin B-1, 45c postpaid.

## ZOOM B-1

The only liquid vitamin B-1 plant growth stimulant with added chemicals to keep its strength indefinitely. 2-oz. dropper top bottle, enough to make 250 gallons of solution. Price, \$1.00.

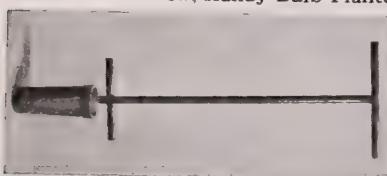
## FULTON'S PLANTABBS

Odorless plant food in tablet form supply a complete balanced plant food including Vitamin B-1. Box of 30 tablets, 30c postpaid; box of 75 tablets, 55c; box of 200 tablets, \$1.10.

## Hole in One Planting Tools for Bulbs

Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, 65c; postpaid, 75c. Large tool, \$4.00.

Vaughan's Bulb Planter  
A New, Handy Bulb Planter



For planting all kinds of bulbs, especially gladioli slips and hyacinths, etc. Similar to English type lanter, but more durable. Each, \$3.50.

## Bowls for Growing Bulbs

BULBS which are easily forced in bowls are described and illustrated on Pages 12 and 13. Attractive and inexpensive floral decorations for the living room and sunparlor can be produced by anyone who will follow the simple directions supplied.

For parcel post delivery add postage at zone rates.



**F. L. Style Bowls.** (Not illustrated). A pottery bowl with slightly rolled top in matt green, blue or jet black glaze finish. Prices: 5-inch (wt. 2 lbs.), 40c; 6-inch (wt. 3 lbs.), 50c; 8-inch (wt. 4 lbs.), 80c.



## V100. Mottled Marble Finish Bowls.

These bowls have a very artistic mottled marble effect and should not be compared with ordinary pottery bowls. 7-inch. Each, 65c.

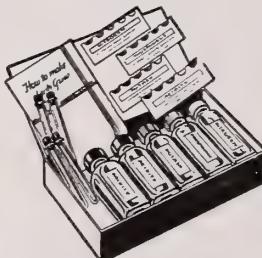
## Pearl Chips and Bulb Fibre

Pearl Chips, white, per lb., 10c; 10 lbs., 75c. Pearl Chips, colored, per lb., 15c; 10 lbs., 85c.

### Vaughan's Prepared Fibre

For Growing Bulbs in Bowls, without Drainage. Per lb., 15c; 3 lbs., 35c; 10 lbs., 85c.

## THE SUDBURY HOME GARDENER'S SOIL TEST KIT



rate tests for each element. No technical skill required. Results of tests are apparent immediately. The Sudbury Home Gardener's Soil Test Kit, complete with instructions and data on plant needs, \$2.00.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. 2 oz., 75c; 6 oz., \$1.50.

## NEW CLUB MODEL KIT (Suitable for Xmas Gift)

An inexpensive kit for garden clubs, 4-H clubs, etc. A very good value for amateurs. Cased in attractive imitation leather, makes a wonderful gift. Each, \$4.75.

## Dibber

For planting bulbs and plants. Steel point. Weight, 10 oz. Each, 95c.

## FLORALIFE

Makes your cut flowers live longer. Pkt. to make 1 qt. solution, each 10c, three pkts. for 25c. Home size tin makes 15 qts, each \$1.00; 50 qt. size, each, \$2.50; gift pkg., \$1.00.

## SAXOLIN DUPLEX CRINKLED WATERPROOF TREE WRAP



For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inch wide, about 155 ft. to a roll. Weight, about 2 1/2 lbs. Ea., 70c; doz. \$7.20.



Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium," "Large"—for men: "Medium," and "Large." Price, 75c a pair postpaid.



**Glass Wool.** Protection and perfect mulch for your prized Plants and Shrubs, has been proved superior to all other mulches for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres, put up in bats, 24" x 96" in size and are an approximate 1 1/2 inches thick at 1 1/2 lbs. per cubic ft. density. Price, per bat, 90c; three for \$2.50; carton of 12, \$8.40.

## SILVER SWEEP LAWN RAKE

Cadmium plated rust resisting finish and modern design, tines are wide, flat, and long, making them more flexible—giving them a true sweeping action; slightly rounded ends won't tear grass. Price, each, \$1.25.



Fertilizers are delivered within 25 miles of New York by Freight or Express at our Option.

Errata.—Prices on fertilizer in our catalogue are F. O. B. Chicago. Following are New York prices.

# Vaughan's High Grade Fertilizers

These Prices Are Subject to Change Without Notice.

## Vaughan's Lawn and Garden Fertilizer (5-8-6)

**Five percent nitrogen; eight percent phosphoric acid; six percent potash.**—This mixture differs from our balanced plant ration in that it is composed of plant foods in mineral form. The advantages of mineral fertilizer include the absence of objectionable odor and the quality of being more readily soluble, which makes it more quickly effective upon plant growth. This is an excellent mixture for regular use in the garden plot in small quantities to insure vigorous growth.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet. To stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet.

Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.75; 500 lbs., \$15.50; 1000 lbs., \$29.00; 2000 lbs., \$55.00.

## VAUGHAN'S BALANCED PLANT RATION (5-8-7)

**Five percent nitrogen; eight percent phosphoric acid; seven percent potash.**—This is a balanced fertilizer, chiefly composed of organic matter (bone, blood and potash) which has been used for 50 years with excellent results by florists, truck gardeners and amateurs, and which we recommend as balanced fertilizer for all around use in the home garden.

For lawns, use 20 to 40 lbs. per 1,000 square feet; and for cultivated gardens, 4 to 6 lbs. per 100 square feet. As liquid manure, use 1 part to 30 parts of water.

Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.75; 500 lbs., \$16.50; 1000 lbs., \$30.00; 2000 lbs., \$57.50.

**Aluminum Sulphate.** For creating acid condition in the soil. Price, 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.50.

**Adco Artificial Stable Manure.** Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Price, 7½-lb. bag, \$1.00; 25 lbs., \$2.25; 150 lbs., \$10.50. Write for booklet.

**Agrico.** Specially formulated for lawns, trees and shrubs. Provides ALL the needed plant foods—stimulating quick growth in early spring—providing slowly available plant food all season long. We are in a position to furnish Agrico fertilizers especially formulated for every crop and soil condition. Information and prices on larger quantities on request.

**FOR LAWNS, TREES AND SHRUBS.** 7-7-5. Put up in cotton paper-lined bags. 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

**FOR GARDENS.** 4-10-4. Put up in cotton paper-lined bags. 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.40; 50 lbs., \$2.40; 100 lbs., \$3.75.

**FOR ACID PLANTS,** such as Azaleas, Rhododendrons and all broad-leaved evergreens. 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$3.00; 100 lbs., \$5.00.

**Bone and Blood.** Tankage. For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except if used in connection with potash salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 500 lbs. per acre. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$19.00; 1000 lbs., \$36.00; 2000 lbs., \$70.00.

**Blood, Dried.** In liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants.

Price, 25 lbs., \$2.00; 50 lbs., \$3.00; 100 lbs., \$5.00; 500 lbs., \$24.00; 1000 lbs., \$47.00; 2000 lbs., \$90.00.

**Fairway Grass Food.** Compounded for the feeding of turf grasses and for no other plant or purpose. Recommended by leading turf specialists and agronomists for use on lawns, golf courses and parkways. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$18.50; ton, \$70.00.

**Floridan Urea.** A highly concentrated inorganic fertilizer containing 46 percent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Price, lb. can, 25c; 5 lbs., 90c; 10 lbs., \$1.50; 25 lbs., \$2.75; 100 lbs., \$9.00.

**Granulated Fertilizer.** The modern way of applying fertilizer is the granulated way. No waste, cannot be blown away by the wind, even distribution, safe and economical to apply. Available in two formulas, 6-6-5 and 5-8-7. 6-6-5 for lawns, 100 lbs., \$4.00; 500 lbs., \$18.00; 1000 lbs., \$35.00; ton, \$60.00. 5-8-7 for gardens, 100 lbs., \$3.75; 500 lbs., \$16.00; 1000 lbs., \$30.00; ton, \$55.00.

**Hardwood Ashes.** Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, an annual dressing of three hundred pounds afterwards. Canadian Imported.

Price, 25 lbs., \$1.20; 50 lbs., \$1.75; 100 lbs., \$3.00; 500 lbs., \$12.00; 1000 lbs., \$23.00; 2000 lbs., \$45.00.

**Hyponex Plant Food.** For growing plants in sand soil or water. One teaspoonful will make a gallon of complete plant food. 1 lb. will make 100 gallons. Price, 3 ozs., 25c; 1 lb., \$1.00; 10 lbs., \$8.00.

**Kem.** A complete concentrated liquid plant food for growing plants in soil or without soil. The complete balanced diet for plants, grass, shrubs in instantly usable form. Odorless and harmless, Kem contains all essential elements necessary for proper growth including the element which produces Vitamin B-1 within the plants. Dilutes up to 89 to 1. House plant size, 25c; quart 50c; gallon, \$1.00; case of 4 gallons, \$3.75.

## VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 3.7 percent; total phosphoric acid, 20 percent. Price, 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.45; 50 lbs., \$2.45; 100 lbs., \$4.00; 500 lbs., \$19.50; 1000 lbs., \$33.50; 2000 lbs., \$62.00.

**REGULAR BONE MEAL.** Price, 25 lbs., \$1.35; 50 lbs., \$2.25; 100 lbs., \$3.75; 500 lbs., \$16.50; 1000 lbs., \$29.00; 2000 lbs., \$57.00.

**BONE, Raw Ground.** Excellent material for vine borders or green-house benching. Also all bulbs, indoors and outside. Fine for roses. High analysis. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$18.00; 1000 lbs., \$34.00; 2000 lbs., \$65.00.

## SHEEP MANURE WIZARD BRAND

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.10; 100 lbs., \$3.00; 500 lbs., \$14.00; 1000 lbs., \$25.00; 2000 lbs., \$45.00.

**Shredded Cattle Manure Wizard Brand.** Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. Price, 100 lbs., \$3.50; 500 lbs., \$16.00; 1000 lbs., \$28.00; 2000 lbs., \$55.00.

**Humus.** Recommended for top-dressing or use on heavy clay soils. Price 100-lb. bags, \$2.00; 500 lbs., \$9.50; ton, \$25.00.

**Leaf Mold.** For correcting of clayey and sandy soil conditions. Price, 100 lbs., \$2.50; 1000 lbs., \$18.00; 2000 lbs., \$30.00.

**Lime, Hydrated.** Price, 5 lbs., 25c; 50 lbs., \$1.25; 100 lbs., \$2.00; 500 lbs., \$8.00; ton, \$25.00.

**Limestone, Pulverized.** Is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food, and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Price, 100 lbs., \$2.00; 500 lbs., \$9.00; 1000 lbs., \$15.00; 2000 lbs., \$27.00.

**Loma.** Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in Nitrates, Phosphates and Potash.

Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; ton, \$70.00.

**Muriate of Potash.** Imported Potash, once again available, should be used liberally, especially for all root crops. Price, 5 lbs., 60c; 25 lbs., \$2.00; 50 lbs., \$3.00; 100 lbs., \$5.00.

Write for prices on larger quantities.

**Nitrate of Soda or Chili Saltpeter.** Nitrate of Soda is not Manures, but one of the cheapest and best forms in which to apply Nitrogen to plants. Do not let nitrate touch green growth or it will burn. Remove the lumps before using and break them up, which can be done by pounding.

For the Home Garden apply as a solution, one ounce to two gallons of water. Price (subject to market changes), 1 lb., 25c; 5 lbs., 60c; 10 lbs., 90c; 25 lbs., \$1.50; 50 lbs., \$2.45; 100 lbs., \$4.00; 500 lbs., \$18.00; ton, \$60.00.

**Peat Moss, Granulated.** A moisture-retaining humus, an important aid in saving soil fertility, better than manure. Bale of about 20 bushels, \$4.50; ½ bale, \$2.90.

**Plantabbs.** The high analysis plant food tablet containing the proper amount of Vitamin B-1. Box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, \$1.00; can of 1000 tablets, \$3.50.

**Potting Soil.** (Blended) Price, 25 lbs., 75c; 50 lbs., \$1.20; 100 lbs., \$2.00.

**Poultry Manure.** Use it to enrich the soil for flowers, shrubs, lawns and garden. Price, 100 lbs., \$3.75; 500 lbs., \$14.00; 1000 lbs., \$25.00; 2000 lbs., \$48.00.

**Stimuplant Tablets.** For potted plants. 30 tablets, 25c; 100 tablets, 75c; 500 tablets, \$2.50.

**Sulphate of Ammonia.** Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet.

Price, 5 lbs., 50c; 25 lbs., \$1.50; 50 lbs., \$2.25; 100 lbs., \$4.00; 500 lbs., \$17.00.

**Super Phosphate.** Twenty percent available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid.

Price, 5 lbs., 45c; 25 lbs., \$1.25; 50 lbs., \$1.75; 100 lbs., \$2.75; 500 lbs., \$10.00; 1000 lbs., \$16.00; 2000 lbs., \$30.00.

**Tree Food.** (10-8-6). Made especially for nurserymen and tree experts, a dependable plant food for increasing the growth and development of shade and ornamental Trees, Shrubs and Evergreens. Price, 100 lbs., \$4.00; ton, \$68.00.

**Vigoro.** Is a specially prepared plant food. It contains all of the elements necessary to grow flowers, lawns, vegetables, shrubbery and trees. Complete directions in every bag. Price, 5 lbs., 50c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.



# Vaughan's Garden Tools and Requisites

PRICES GIVEN BELOW DO NOT INCLUDE PREPAYING OF CHARGES EXCEPT WHERE NOTED

## FERTILIZERS (F. O. B. Chicago)

CO ARTIFICIAL STABLE MANURE. Make yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. do to make four tons of fresh or three tons of rotten manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Price, 7½ lbs., \$1.10; 25 lb. bag, \$2.50; 150 lbs., \$11.50. Write or booklet.

NE MEAL, Vaughan's "Rose Grower," lightly steamed so that it can be ground fine, and thus quicker in its action. 5 lbs., 50c; 10 lbs., 1c; 25 lbs., \$1.65; 50 lbs., \$2.75; 100 lbs., \$4.45.

NE MEAL, "Regular Grade." 25 lbs., \$1.45; 1 lbs., \$2.45; 100 lbs., \$3.95.

TELE MANURE (Shredded). A natural fertilizer for all general purposes. If applied to the soil in the fall it protects grass roots through the winter. As easy and clean to handle as grain. Price: 100 lbs., \$2.75; 500 lbs., \$11.25; 1,000 lbs., 9.00; 2,000 lbs., \$36.00.

IA. Beautifies lawns and gardens. A scientifically prepared plant food for lawns, flowers, vegetables, rubbery and potted plants. Rich in nitrates, phosphates and potash. Price, 5 lbs., 45c; 10 lbs., 2c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

ORGANITE. A plant food free of weeds, provides plant food over a long period. 25 lbs., \$1.00; 1 lbs., \$1.65; 100 lbs., \$2.75; 2000 lbs., \$42.00.

EP MANURE (Pulverized). Excellent for mixing with soil for greenhouse plants; one part manure and six parts soil. 5 lbs., 35c; 10 lbs., 65c; 1 lbs., \$1.10; 50 lbs., \$1.60; 100 lbs., \$2.35; 500 lbs., \$10.25; 1000 lbs., \$17.00; ton, \$33.50.

GHAN'S LAWN AND GARDEN FERTILIZER 5-8-6. Composed of plant foods in mineral form, making it odorless and quicker acting. Price, 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.25.

GHAN'S CONCENTRATED PLANT FOOD. This is the most useful fertilizer for all kinds of plants raised in pots. Small pkg., 20c each. Large pkg., 30c each. 10 oz.; large, 17 oz. Each package contains full directions.

GHAN'S BALANCED PLANT RATION. 5-8-6. This is a balanced fertilizer chiefly composed of organic matter (bone, blood and potash). 5 lbs., \$10.25; 10 lbs., 90c; 25 lbs., \$1.65; 50 lbs., \$2.75; 100 lbs., \$4.50.

PRO. 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 1 lbs., \$2.50; 100 lbs., \$4.00.

LIQUID PLANT FOOD. A complete balanced ration for plants, a nutrient solution containing all essential elements, Nitrogen, Phosphorus, Potash, including Calcium, Boron, Sulphur, etc. Very dilute. Kem solution with hydrant water. Use plant size, 25c; slightly less than qt., 60c; \$1.25; full 4-gals. \$4.25.

Fertilizer prices include delivery within 25 miles of Chicago, 25, 50, 100, 125 and 250 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of \$2.00 or more. On larger quantities than 250 lbs. the customer pays all freight or express charges.

## SECTICIDES AND FUNGICIDES

nts—By mail, ½ pt., 1 lb.; pt., 2 lbs.; qt., 3 lbs.

LIME SULPHUR. For dormant spraying 12 to 15 lbs., to 50 gals., water. Lb., 35c; 5 lbs., 50; 25 lbs., \$4.50; 100 lbs., \$12.00.

ZOFF. Breaks dogs of bad habits, spray underneath evergreen or shrubs. Bottle, 60c.

EVERGREEN. Non-poisonous. Oz., bottle, 6 oz., can, \$1.00; pint, \$2.00; gal., \$12.00.

WERS OF SULPHUR. For mildew on roses, 1 lbs., 15c; 10 lbs., \$1.00; 25 lbs., \$2.00.

ON OIL. Destroys mealy bug, scale, thrip, red spider, etc. ½ pint, 30c; pint, 50c; quart, 85c; gal., \$1.75; gal., \$2.50; 5 gals., \$10.00.

3-SULPHUR. The best remedy for San Jose scale. One gallon makes ten; one of the best autumn sprays. Qt. can, 50c; 1 gal., \$1.25; 5 gal., \$4.25.

DECIDE. An oil preparation for San Jose scale. 75c; gal., \$1.60; 5 gallons, \$6.00.

ACCO STEMS. For fumigating. 50c; 25c; 100 lbs., \$2.50.

ACCO DUST. One of the best remedies for green and black aphids, fleas, beetles, etc., also for insects in the ground. Lb., 15c; 5 lbs., 35c; 10 lbs., 65c; 100 lbs., \$4.00.

CK. Controls scale insects, mealy bug, white s., red spiders, rust, mites, aphids and thrips. pint, 35c; quart, 80c; gallon, \$2.50; 5 gallons, \$10.00.

VES. Propagating. "The Vaughan," best all. Each, \$1.75; by mail, \$1.80.

udding and Propagating. Two blades, white handle. Each, \$1.75; by mail, \$1.80.

VES. Pruning. Henckel No. 3 C. Each, \$2.75; by mail, \$3.00.

Imported Pruning. \$2.50; by mail, \$2.60.

LABELS, Wooden, for Pots.	Per 100	1000
4 in., painted.....	\$0.45	\$2.10
5 in., painted.....	.50	2.75
Tree (copper wired) 3½ in.....	.55	3.25

## WIRE FRUIT PICKER.

A mechanical apple and fruit picker, so simple children can pick fruit with no danger. Without pole, price, 85c each; postpaid, 95c.

## HOT-BED SASH

HOTBED SASH. Unglazed, for 3 rows, 10-inch glass. Each, \$2.50; 3 for \$7.25; doz., \$24.60. Glazed, each, \$5.35; 3 for \$14.95; doz., \$54.60.

## HOT-BED MATS

Waterproof duck on one side, heavy burlap on the other, a heavy durable mat for protecting hot-beds; easy to handle, wears for years.

Each	Doz.
Size, 40x78 inches ..	\$3.50
Size, 76x76 inches ..	6.00
	69.00

## CEL-O-GLASS

CEL-O-GLASS. Will take the place of glass in hotbed sash, garage and barn windows, storm doors, and many other purposes, at a great saving. Unbreakable and very light in weight. No glazing. Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide up to 100 feet long. Price per square yard, \$1.35; 25 ft. roll 3 ft. wide, \$9.75; 100 ft. roll, \$35.00.

WINDOW FABRIC VIO-RAY. A strong fabric treated by a patented process to make it transparent, weatherproof and waterproof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It comes in rolls 36 inches wide and any length. Per yd., 30c; 10 yd. roll, \$2.65; 20 yds., \$4.90.

SPRINKLERS, Scollay's Rubber. Best sprinklers for plants, ferns, and flowers, holds 10 fluid ounces. Large \$1.45. By mail, \$1.50.

GLASS CUTTER, TROJAN. Each, 25c.

GLAZING POINTS, Vaughan's Perfection. No rights or lefts. No. 2, small, single thick glass; No. 2½, double thick, for greenhouse and skylights. Price, per lb. (approximately 900), 70c; postage extra.

Siebert's Improved, ½ and ¾, price per lb., 60c.

PUTTY BULB (Scollay's). A useful tool with a tube for applying liquid putty in glazing greenhouses. Each, \$1.60. Mailing weight, 1 lb.

WATERING POTS.—American. Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, \$4.95; 6 quart, \$5.50; 8 quart, \$6.25; 10 quart, \$6.50; 12 quart, \$6.95.

French Style. Oval, otherwise same make as above, 6 quart, \$6.25; 8 quart, \$6.50; 10 quart, \$7.50; 12 quart \$7.95.

THERMOMETERS. Tin Case, 8-inch. Each, 45c. Cabinet Wood Case, 8-inch. Each, 75c.

Tin Case, standard grade tested, 8-inch. Each, \$1.50.

Hotbed, Brass Point, Wooden Frame Each, \$3.25.

Self-Registering with magnet to set it, 8-inch, registers highest and lowest temperature. Each, \$6.50.

White Porcelain Enameled. For in and outdoors and greenhouse with red spirit tube, easy to read. Each, 60c.

Japanese Bamboo Broom Rake. A handy tool for raking leaves, very light and flexible. Each, 45c.

BROOM RAKE. Made of spring wire. Each, \$1.25.

BROOM RAKE. Made of spring wire. Each, \$1.25.

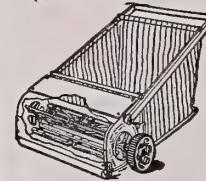
DOUBLE EDGE PRUNING SAWS. 16-inch, each, \$1.45; 18-inch, each, \$1.60; 20-inch, each, \$1.75. California curved pole pruning without pole, each, \$2.50.



Forester pruning saw, 26 inches long, for cutting long limbs, each, \$2.60.



SHEARS (Pruning)—Best Grade, 9 in. each, \$1.95. Nickel-Plated 6-inch. each, \$1.75. Henckel's Imported, 8½-inch, \$5.25; 9½-inch, \$6.00.



## LAWN SWEeper

The Gem. Will clean a lawn more thoroughly than four men with hand rakes. Made of metal, wood and canvas, and lighter and less noisy than all metal. cut. Each, \$38.00.

PEAT MOSS—Granulated. A moisture retaining humus, an important aid in saving soil fertility. Better than manure. Garden size bale of about 6 bushels, \$2.60; larger bale of about 22 bushels, \$4.75.

PEAT. (Fern roots). Very useful for Orchids and Azaleas, per sack, about 2 bushels. .... \$3.25.

LEAF MOLD. Peck, 40c; 2 Bushel Sack, \$2.00.

POTTING SOIL. This mixture is prepared by us.

Suitable for all ordinary plants and bulbs; by express or freight at buyer's expense, ready for use. Pk., 40c; bu., \$1.25; bbl., \$3.00.

POTS, PANS AND SAUCERS

RED CLAY POTS.—We pack these carefully but will not be responsible for breakages.

Doz.	100	1000	Doz.	100
2 in....	\$0.35	\$1.45	6 in....	\$1.25
2½ in....	.40	1.65	7 in....	1.65
3 in....	.50	2.50	8 in....	2.25
4 in....	.65	3.00	10 in....	each, 60c
5 in....	.85	5.50	12 in....	each, 85c

BULB PANS (RED)

Each	Doz.	Each	Doz.	
6 in.....	\$0.15	\$1.25	8 in.....	\$0.25
7 in.....	.20	1.65	10 in.....	.60

TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Prices F. O. B. Chicago or New York.

No.	Each	Four	No.	Each	Four
1	6x 6	\$0.80	9	14x13	\$2.10
3	8x 8	.85	11	16x15	2.50
5	10x 10	1.10	42	13x18	3.35
7	12x11	1.60	60	14x18	4.00

If handles are required add 35c per tub.

First figure following number of tub gives diameter in inches at top of tub; second figure depth in inches.

## PRUNERS



THE FORESTER-PORTER POINTCUT PRUNER. Light in weight, 2½ lbs., 20 inches long. Easy to use in close places. Price, \$5.50.

FORESTER PRUNERS

No. 1—20 inches long designed for the fruit grower. Each, \$5.50. Weight, 2 lbs. 10 ozs.

No. 2—27 inches long has a capacity up to 1½ inch in green wood. Price, \$6.50. Weight, 4 lbs. 10 ozs.

No. 3—34 inches long, capable of cutting up to its rated capacity in any so-called hardwood such as oak, maple and beech. Weight, 7 lbs. 4 ozs. Each, \$7.50.

## WHEELBARROWS

WHEELBARROW—Deluxe Handa. Special Garden Barrow. The best low priced garden barrow with pneumatic tire; size of bed, 27x18x14 inches; weight 40 lbs.; price, \$9.75.

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## HELPFUL DETAILS MAKING MAIL ORDERS CONVENIENT

**Order at Once** Send in your order as soon as possible after receiving catalog. Bulbs for immediate planting will be sent at once, others at proper time, with due notification.

**How to Order** Use the order sheet accompanying this catalog. One section is for seeds, bulbs and sundries (i. e. Insecticides, Manures, Poultry Supplies, etc.); the other for plants, shrubs and trees only.

**Don't** put plants and trees on the same section with bulbs and seeds.

**Important** Write your name, postoffice, state and express office plainly with black ink, on every order, and every time you write to us give plain express, mail or freight directions; where none are given, we route at buyers' risk.

**Quantity, Size, Price** Always give the quantity required of bulbs, plants or trees, mentioning size where different sizes are offered, and carry out the price of each item.

**Mistakes** These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

**Parcel Post** Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides (in dry and paste form), odorless fertilizers and requisites, may be forwarded by domestic parcel post within the United States. See table opposite showing postage you should add to insure free delivery. All poisonous Insecticides, are unavailable.

**Express Service** For most orders exceeding 20 pounds in weight and for plants requiring special packing, we urge they be expressed. Mark order plainly if wanted by Express or Parcel Post.

**Our Terms** with customers not having an account are strictly cash with order. We make no C. O. D. shipments unless one-third of amount is paid in cash with order. No trees, plants or other perishable stock, are sent C. O. D.

**How to Send Money** Send by New York or Chicago draft, registered letters, or postage or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded. If personal checks are used have them certified and add 15 cents for exchange cost. Put no currency in letter unless you register it. Make money order payable to "Vaughan's Seed Store."

**PARCEL POST** Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

The weights of all bulbs and roots offered are given and customers are requested to add sufficient to their remittance to cover postage on total estimated weight of order at rates given in the following table.

### DOMESTIC PARCEL POST RATES

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions.

Local Chicago or New York City.....	7c.	1c. (2lbs.)
First and Second Zone within 150 miles of either.....	8c.	1.1c.
Third Zone within 150 to 300 miles.....	9c.	2.9c.
Fourth Zone within 300 to 600 miles.....	10c.	3.5c.
Fifth Zone within 600 to 1000 miles.....	11c.	5.3c.
Sixth Zone within 1000 to 1400 miles.....	12c.	7c.
Seventh Zone within 1400 to 1800 miles.....	14c.	9c.
Eighth Zone all over 1800 miles.....	15c.	11c.
Canada.....	14c.	14c.

NOTE. A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent. Limit of weight for delivery to all zones 70 pounds; to Canada 15 lbs. If weight exceeds this, we will pack in 2 or 3 parcels (not more), provided money is remitted to cover postage. Mark your Zone Number on order.

**Our Responsibility** It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned.

VAUGHAN'S SEED STORE, Inc., gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants it sells, and will not be responsible for the crop; and it gives no warranty express or implied, as to fertilizers, other than in respect to analyses or other data expressly and lawfully required of the seller by statutes.

SEND TO THE CITY NEAREST YOUR ADDRESS

VAUGHAN'S SEED STORE

10-12 W. Randolph Street, CHICAGO  
47-49 Barclay Street, NEW YORK

# 15 Bulbs for Beginners \$1

3 EACH OF 5 DIFFERENT VARIETIES

HERE ARE two outstanding reasons why every gardener, veteran or beginner, should plant fall bulbs.

The advanced gardener knows that bulbs supply the dominant flowers for the first two months of the garden season, the time when garden beauty is most precious, and most rare.

The beginner finds that bulbs give him the surest and easiest success, of any flowers. Provided he plants quality bulbs, and follows a few simple rules, he can hardly fail to produce blossoms of the first rank.

#### NUMBER OF BULBS REQUIRED FOR PLANTING CIRCULAR BEDS

Diameter of Bed	3 inches apart	4 inches apart	6 inches apart	8 inches apart
3 Feet.....	127	95	37	..
4 "	217	127	61	37
5 "	331	225	91	69
6 "	469	271	127	78
7 "	631	410	169	96
8 "	817	469	217	127
9 "	1027	650	271	156
10 "	1261	721	331	190
11 "	1519	940	397	240
12 "	1801	1027	469	271

Not even cultivation is required for this harvest. No insects will prey upon the flowers of spring bulbs, and they have no diseases to require expert treatment.

Spring-flowering bulbs prolong the garden season by a month at least. Not only that, but among them are flowers which even did they come in June, when gardens are crowded with glory, no gardener would be without.

The purchase of spring-flowering bulbs should not be considered an expense, to be charged to one garden season. It is an invest-

ment. A stock of bulbs has been known to produce flowers in the same garden for a century.

Even the labor of lifting bulbs after flowering may be dispensed with. All do excellently when left undisturbed year after year. This practice, indeed, is recommended for the daffodils. And tulips will suffer small loss if allowed to remain in a bed where they have done well, year after year.

#### HOW TO PLANT BULBS

Plant all fall bulbs as soon as they can be obtained, and you are willing to disturb established beds. Daffodils and hyacinths benefit especially from early planting. Tulips should go in when the leaves of trees fall, so they have a season of growth before the ground freezes.

In case of necessary delay, all fall bulbs can be planted as late as the ground can be worked. A light mulch placed over the proposed planting spot will keep the frost out, if delay is unavoidable. A mulch over late planted bulbs placed after the ground is frozen, will prevent thawing and heaving.

A complete plant food applied to the soil at the rate of 5 pounds to 100 square feet, raked into the top soil after planting, will benefit the bulbs.

Use no manure with bulbs, unless it has been thoroughly rotted and can be spaded into the ground several months previous to planting.

15 Bulbs, 3 Each of 5 Different Varieties, \$1.00 prepaid.

3 Scillas, 3 Grape Hyacinths, 3 Giant Tulips, 3 Hardy Daffodils, 3 Spring Snowflakes, 15 bulbs in all, for \$1.00, postpaid.

36 Bulbs, 6 Each of 6 Different Varieties, \$2.50 prepaid.

We will ship the following, prepaid.

6 Scillas, 6 Grape Hyacinths, 6 Giant Tulips, 6 Hardy Daffodils, 6 Spring Snowflakes, 6 Lilium Tenuifolium—36 bulbs.

72 Bulbs, 12 Each of 6 Different Varieties, \$4.75 prepaid.

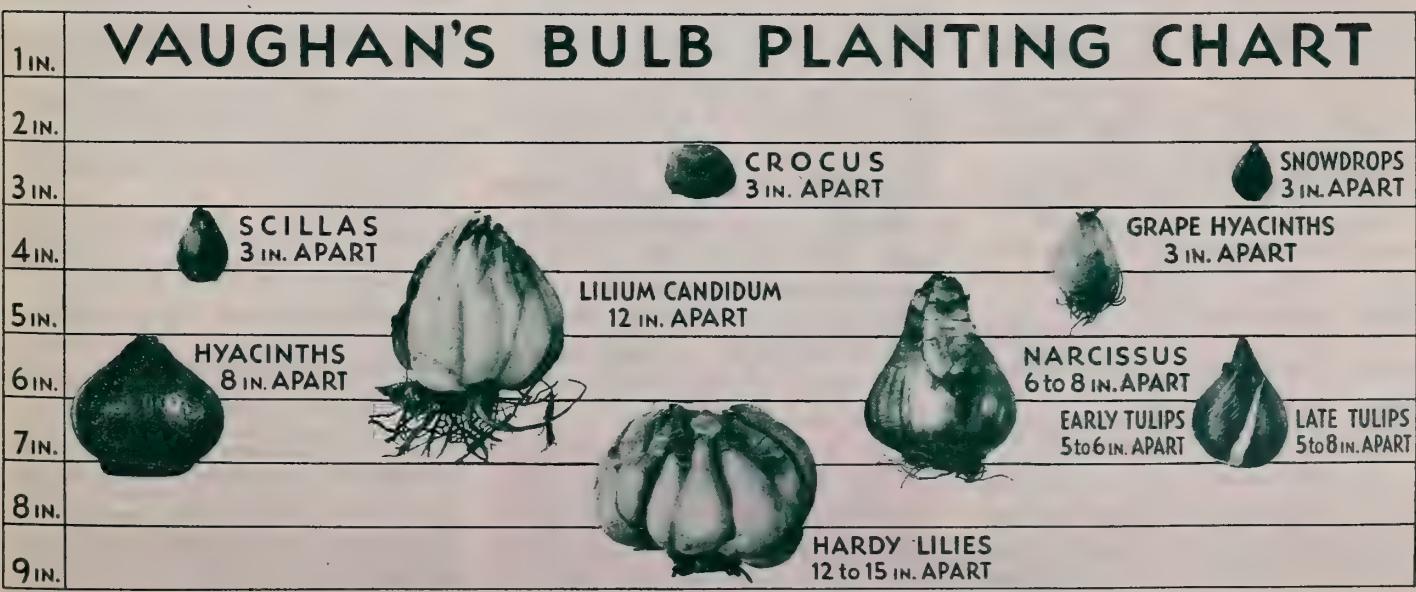
12 Scillas, 12 Grape Hyacinths, 12 Giant Tulips, 12 Hardy Daffodils, 12 Spring Snowflakes, 12 Lilium Tenuifolium—72 bulbs.

156 Bulbs, 24 Each of 6 Different Varieties, 12 of a seventh variety, \$10.00 prepaid.

24 Scillas, 24 Grape Hyacinths, 24 Giant Tulips, 24 Hardy Daffodils, 24 Spring Snowflakes, 24 Lilium Tenuifolium, 12 Ornithogalum Umbellatum—156 bulbs.

If planting with a dibber, take care that the bulb rests on the soil and is not "hung"—that is, left with a hole beneath it caused by the point of the dibber.

## VAUGHAN'S BULB PLANTING CHART



# 6 EVERBLOOMING HYBRID TEA ROSES \$375

Any 6 assorted of the Hybrid Tea Ever-blooming Roses listed below, shipped express collect for \$3.75. (Value \$4.50).

12 for \$6.75. Any twelve of varieties listed below, shipped express collect for \$6.75. (Value \$9.10).

ALL classes of roses benefit by fall planting when properly done, as it enables the plant to start growing earlier in the spring.

**Planting Method:** Select three or four sturdy stems and cut clean away all others, prune the selected stems back to four or five eyes. Set the plant deeply, so that the crown where the stems unite is covered and the stems rise out of the soil. When frosts begin hill soil six or seven inches high around each plant, and cover the ground about them with several inches of dry leaves, or strawy manure. In the spring, dead wood should be cut away and each stem cut back to three eyes.

#### A Select List of Free Blooming Hardy Varieties

**ETOILE DE HOLLANDE.** A brilliant dark red rose of magnificent size, vigorous grower; heavy bloomer; fragrant.

**GOLDEN DAWN.** Very double, extremely large flowers of pale straw yellow. Vigorous, bushy; extra fine garden variety.

**GRUSS AN TEPLITZ.** Rich scarlet shading to crimson, very fragrant. One of the best outdoor bedding varieties.

**EDITOR McFARLAND.** Exceptionally fine brilliant rose-pink flowers, excellent for cutting. Good grower. 85c.

**HINRICH GAEDE.** Long pointed, Nasturtium-red buds and big double blooms of rich luminous vermillion shaded golden yellow. 85c.

**JOANNA HILL.** A creamy-yellow with orange heart. Vigorous, long stems. The buds are large and pointed.

**McGREDY'S SCARLET.** Perfectly formed flowers of vivid rose-red on long stems; excellent for cutting.

**MME. JOSEPH PERRAUD.** A gorgeous rose with enormous Nasturtium-orange buds; flowers charming Nasturtium-buff, flushed with shell-pink. \$1.00.

**MME. JULES BOUCHE.** Long, pointed buds opening into superb white flowers, slightly shaded blush pink; fragrant. Best white for quantity of bloom.

**MRS. CHARLES BELL (Shell-Pink Radiance).** An exquisite shade of salmon shell pink with delicious fragrance and all the excellent qualities of Radiance.

**MRS. ERSKINE PEMBROKE THOM.** Slender yellow buds opening to well shaped canary yellow blooms. Considered the finest garden yellow.

**PRESIDENT HERBERT HOOVER.** The most popular Rose in America in 1938. Deep copper red buds open to a lovely blend of orange yellow, flame, vivid rose-pink, and scarlet. Fragrant.

**RADIANCE.** Brilliant rosy carmine, shaded with pink, constant bloomer.

**RED RADIANCE.** Clear cerise-red, otherwise same as in the parent Radiance. A fine garden variety.

**SOUTHPORT.** Very showy, probably the most brilliant of all scarlet Roses. Fine buds of lovely form on long stems. Prolific bloomer. 85c.

**Above 16 Hybrid Tea Roses, except where noted, 2-year, No. 1 dormant — each, 75c.**

**3 Hardy June 185**  
Roses  
Shipped express collect

Hardy as oaks, and producing the finest flowers of the whole rose family, these roses not only flower freely in June, but often produce another crop of blossoms in the fall. Blossoms are larger, more fully double, of better color and plants live for years even in the coldest states. We offer the three best hybrid perpetual, or June roses, for planting this fall.

**FRAU KARL DRUSCHKI.** (White American Beauty.) Pure white, long, immense buds and perfectly double flowers. Blooms all summer. Each, 75c.

**MRS. JOHN LAING.** Fragrant flowers of clear pink on strong stems. Splendid for cutting. Blooms almost as freely as a Hybrid Tea. 75c.

**ULRICH BRUNNER.** A rose of beautiful form and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open. Each, 75c.

#### VISIT VAUGHAN'S ROSE GARDEN

You are invited to inspect our rose garden, at West Forty-seventh street and Willow Springs road, Western Springs, Ill.

## For Fall Planting

ETOILE DE HOLLANDE



**TALISMAN.** A remarkable blending of gold, apricot, yellow, deep pink, and old rose.

#### Hardy Climbing Roses

**BONFIRE.** Best red rambler. Many heavy trusses of small double dazzling scarlet flowers in large clusters of 20 to 25 blooms.

**DOROTHY PERKINS.** Beautiful shell-pink double flowers in clusters, attaining great length in one season.

**PAUL'S SCARLET CLIMBER.** No other rose can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber and perfectly hardy. Usually blooms again in the fall.

**PRICES** of above Hardy Climbing Roses: 2-year, No. 1, dormant, each, 75c; per doz., \$7.50.

**SPECIAL OFFER.** One each of Bonfire, Dorothy Perkins, and Paul's Scarlet Climber. 3 plants shipped express collect for \$1.95. (Value \$2.25.)

#### SURPRISE ROSE COLLECTION

This is made up of our selection of Everblooming Hybrid Tea Roses. It may include varieties not listed above, but they will all be high grade Roses, in a wonderful assortment of colors, worth from 75c to \$1.00 each. Every rose will be labeled (no two varieties alike) and because you are letting us make the selection, we are giving you this bargain price. 5 Roses, our selection for \$2.95; 10 Roses our selection, for \$4.95, shipped express collect.

## ROSES—Continued

## Best Patented Hybrid Teas

These are four of the World's Finest Roses. Each one is "tops" in its color class and has proved satisfactory over a wide area.

## CRIMSON GLORY. (Patent No. 105.)

We consider this the finest new red. It gives a quantity of fine urn-shaped buds opening to fragrant flowers of crimson with a soft velvety nap. \$1.25.

## ECLIPSE. (Patent No. 172.) Internationally famous and of sensational new form. Long, streamlined buds of clear, bright yellow, freely produced. Semidouble blooms, lasting well. \$1.00.

## SIGNORA. (Plant Patent No. 201.) There is no other rose quite like this one, a warm symphony of brownish orange and salmon. It is a vigorous, tall and free blooming plant with long buds opening double and fragrant. \$1.00.

## STERLING. (Patent No. 21.) Here is a new rose that is just about perfect. The flowers are perfectly shaped and in color are a beautiful clear pink with orange base; bud pointed and very lasting when cut. It is a vigorous grower, and it blooms and blooms. \$1.00.

## Four Great Roses, \$3.55

One each of Crimson Glory, Eclipse, Signora and Sterling (value \$4.25).

## Patented Floribunda Roses

Hardy and continuous blooming, giving a spectacular display from June until frost.

## BETTY PRIOR (Pat. No. 340). Exquisite single blooms in large clusters. Opens dark carmine, changing to shell-pink. 85c; 3 for \$2.15.

## ROCHESTER (Pat. No. 131). Full double, creamy yellow blooms, tinted coppery pink. 85c; 3 for \$2.15.

## WORLD'S FAIR (Pat. No. 362). Beautiful, fragrant, blackish scarlet flowers with 18 to 20 petals. Very showy, \$1.00; 3 for \$2.50.

## THREE FLORIBUNDA ROSES, \$2.25. One each Betty Prior, Rochester and World's Fair (value \$2.70).

## Patented Climbing Roses

## BLAZE (NEW HARDY EVERBLOOMING SCARLET CLIMBING ROSE). (U. S. Plant Patent No. 10.) A new hardy climber combining the color of Paul's Scarlet Climber and the everblooming habit of Gruss an Teplitz. It will produce flowers on both the old and the new growth. \$1.00.

## DOUBLOONS. (Patent No. 152.) A hybrid of our native Rose Setigera and very hardy. Clusters of very large cup-shaped, saffron yellow blooms, opening one after the other. Long heavy canes. Undoubtedly the best yellow climber to date. \$1.00.

## HERCULES. (Patent No. 296.) Very hardy Setigera Hybrid. Huge flowers, 5 to 6 inches across, of clear, deep rose pink. Flowers abundantly. \$2.00.

## THE NEW DAWN (THE EVERBLOOMING DR. VAN FLEET). Patent No. 1. The first everblooming climbing rose. A sport from Dr. Van Fleet having same habit of growth. The delicate flesh pink flowers are fragrant and bloom all summer and fall. \$1.50.

## Three Patent Roses, \$2.95

One each Blaze, Doubloons, and The New Dawn (value \$3.50).

## Vaughan's Evergreens

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

ARBORVITAE (*Thuja*)

GLOBE ARBORVITAE. A round, compact form with deep green foliage, 18 in., \$2.75; 24 in., \$3.25.

PYRAMIDAL ARBORVITAE. A compact, narrow pyramidal tree. 18/24 in., \$1.75; 2/2½ ft., \$2.25; 2½/3 ft., \$2.50; 3/3½ ft., \$3.00; 3½/4 ft., \$3.50; 4/4½ ft., \$4.00.

ROSENTHAL ARBORVITAE. Compact, pyramidal form; dark green foliage. 18/24 in., \$3.00; 2/2½ ft., \$3.50; 2½/3 ft., \$4.00.

CEDAR (*Juniperus*)

REDCEDAR. Tall growing, one of the best known evergreens. 3/3½ ft., \$3.50; 3½/4 ft., \$4.00; 4/4½ ft., \$5.00.

CANNART REDCEDAR. Fine pyramidal form with heavily tufted deep green foliage. 2/2½ ft., \$3.50; 2½/3 ft., \$4.50; 3/3½ ft., \$5.50; 3½/4 ft., \$6.50.

SILVER REDCEDAR. One of our choicest evergreens with attractive blue-tinged foliage. 2½/3 ft., \$3.75; 3/3½ ft., \$5.00; 3½/4 ft., \$6.25; 4/4½ ft., \$7.00.

SCHOTT REDCEDAR. Pyramidal form with attractive light green foliage. 2/2½ ft., \$3.50; 2½/3 ft., \$4.50; 3/3½ ft., \$5.50.

DUNDEE JUNIPER. Dense conical form; bluish grey-green foliage, plum colored in winter. 2/2½ ft., \$3.75; 2½/3 ft., \$4.50; 3/3½ ft., \$5.25; 3½/4 ft., \$6.00.

FIR (*Abies*)

CONCOLOR FIR. Tall, pyramidal tree; with foliage of varying shades of dark green and blue. 2/2½ ft., \$4.00; 2½/3 ft., \$5.50; 3/3½ ft., \$6.25; 3½/4 ft., \$7.00.

JUNIPER (*Juniperus*)

CANADIAN JUNIPER. Dwarf evergreen of erect habit; greyish green foliage. 12/15 in., \$1.25; 15/18 in., \$1.75; 18/24 in., \$2.50; 2/2½ ft., \$3.00.

KETELEERI JUNIPER. Similar to Cannart Redcedar, but of more open growth and pyramidal habit. 2/2½ ft., \$3.50; 2½/3 ft., \$4.00; 3/3½ ft., \$5.00; 3½/4 ft., \$6.00.

FITZTER JUNIPER. One of the best Junipers. Of broad, bushy growth, with thick, rich green foliage. 12/16 in., \$2.00; 15/18 in., \$2.50; 18/24 in., \$4.25; 2/2½ ft., \$5.25.

PROCUMBENS JUNIPER. Long trailing branches that cling to the ground; foliage glaucous green. 18/24 in., \$3.25; 2/2½ ft., \$4.00.

ANDORRA JUNIPER. Of prostrate habit; foliage bright green in summer, rich reddish purple in winter. 12/15 in., \$2.25; 15/18 in., \$2.75; 18/24 in., \$3.25.

SAVIN JUNIPER. A dwarf evergreen with semi-erect spreading branches. 15/18 in., \$2.25; 18/24 in., \$3.00; 2/2½ ft., \$3.50.

CREEPING SAVIN JUNIPER. A trailing variety with light green foliage. 15/18 in., \$2.00; 18/24 in., \$2.25; 2/2½ ft., \$3.00.

VON EHRON SAVIN JUNIPER. Semi-spreading; very dark green foliage. 18/24 in., \$3.00; 2/2½ ft., \$4.00.



BLACK HILL SPRUCE

PINE (*Pinus*)

MUGHO PINE. Beyond doubt the best all-round low growing Evergreen. 15 in., \$3.50; 18 in., \$4.00; 2 ft., \$5.00.

SPRUCE (*Picea*)

BLACK HILL SPRUCE. A very dense, compact growing spruce with green or bluish foliage. 12/18 in., \$1.50; 18/24 in., \$3.00; 2/2½ ft., \$4.00; 2½/3 ft., \$4.75; 3/3½ ft., \$5.25; 3½/4 ft., \$6.00.

COLORADO BLUE SPRUCE. Very showy, rich silvery blue foliage. 18/24 in., \$3.50; 2/2½ ft., \$4.75; 2½/3 ft., \$6.00; 3/3½ ft., \$7.25; 3½/4 ft., \$8.50.

COLORADO GREEN SPRUCE. A very popular variety with heavy, light green foliage. 18/24 in., \$2.25; 2/2½ ft., \$3.00; 2½/3 ft., \$3.50; 3/3½ ft., \$4.25; 3½/4 ft., \$5.00.

MOERHEIM BLUE SPRUCE. "The Aristocrat" of all Evergreens. Foliage bright, intense steel blue. 2 ft., \$6.50; 2½ ft., \$8.50; 3 ft., \$10.50; 3½ ft., \$12.50; 4 ft., \$15.00; 4½ ft., \$17.50.

YEW (*Taxus*)

JAPANESE YEW. Of dense, upright spreading growth, with heavy, dark green foliage. 15/18 in., \$3.50; 18/24 in., \$4.25; 2 ft., \$5.50.

UPRIGHT JAPANESE YEW. An upright or pyramidal form with glossy, deep green foliage. 15/18 in., \$2.00; 18/24 in., \$3.00; 2 ft., \$4.00; 2½ ft., \$6.00; 3 ft., \$8.00.

HICK'S YEW. A distinct columnar form with rich, deep green foliage. 15/18 in., \$2.50; 18/24 in., \$3.25; 2/2½ ft., \$4.00; 2½/3 ft., \$6.00; 3/3½ ft., \$9.00.

Write for prices on larger sizes of Evergreens.

# Quality Perfumes ALL AMERICAN

If your favorite imported perfume is no longer available, we recommend a trial of Vaughan's Natural Floral Perfumes. We invite direct comparison with any imported perfume regardless of price. Many women of prominence in society, on the stage, and radio, regularly purchase these perfumes for their own use and for gifts to their friends.

## PERFUME PRICES

1 Dram	50c	1 Ounce	35c
2 Drams	90c	4 Ounces	1.00
½ Ounce	1.60	½ Pint	1.85
1 Ounce	3.00	1 Pint	3.00

(An ounce contains eight drams)

These prices postpaid to any point in the United States. Prices are based on plain containers. Gift Box included.

## COLOGNE PRICES

1 Dram	35c
2 Drams	70c
½ Ounce	1.60
1 Ounce	3.00

## THE FOLLOWING ODORS ARE AVAILABLE IN EITHER COLOGNE OR PERFUME

(Cologne is about one-eighth the strength of perfumes (about double the strength of ordinary toilet water). It is used wherever a perfumed lotion is wanted—in the bath, on linens, or as a refreshing lotion in hot weather.)

**Appleblossom:** Soft, yet fresh and clean.

**Bouquet S:** A delicately feminine blend of rich floral oils that in France and America is accepted as the leading type of odor in the better shops.

**Bouquet X:** Another blend, slightly "drier" and less sweet. An exotic fragrance preferred by women accustomed to the better French perfumes.

**Carnation:** Many acknowledge it as the best recreation of this beloved old favorite.

**Forest Breeze:** A smoky, piney fragrance—the scent of a pine forest on an autumn day.

**Freesia:** We are proud to have captured the elusive scent of this delicate flower.

**Gardenia:** Not sweet like so many "Gardenia" perfumes—a rich, intense odor.

**Geranium:** Like a crushed leaf of the green plant.

**Hawaiian Lei:** A lovely blend of exotic tropical flowers.

**Heather:** A rich "smoky" or "peaty" fragrance that goes well with sport clothes.

**Heliotrope:** The true sweetness of the flower.

**Hyacinth:** The most accurate recreation of this flower we know.

**Lavender:** The well-known English type, not sweet or "musky" like so many near-lavenders.

**Lilac:** Lilacs wet with morning dew. Fresh and leafy—our largest selling odor.

**Lily of the Valley:** At last, a satisfactory reproduction of this elusive scent.

**Magnolia:** The veritable fragrance of the Southern Magnolia—rich and lush.

**Nicotiana:** Reproduced with astonishing fidelity. The well-known "Sweet-scented Tobacco."

**Parma Violet:** A favorite for generations with women of wealth and refinement.

**Red Rose:** The Damask Rose type.

**Sweet Pea:** The true fragrance of the original Spencer sweet pea.

**Violet:** The English violet, softer than the Parma type.

**White Rose:** An old favorite—not as heavy as Red Rose.

**Wild Rose:** Like the breeze through a Sweet Briar hedge in June.

**Zanzibar:** Like a clipper ship laden with the spices of the Indies and rare oriental woods.

**Vaughan's Sampler:** To prove to our customers the high quality of our perfumes, we have assembled a "Sampler" collection, featuring our ten leading fragrances, a full one-eighth dram of each, enough for several applications. All ten fragrances, \$1.00 postpaid.

## VAUGHAN'S FLORAL SCENTED SOAPS

American made, these true, super-fatted soaps surpass any imported soaps of the last decade, and measure up to the highest traditions of the old soap makers of Europe. We recommend them to women of taste and discrimination. The fragrances are counterparts of those used in our perfumes and colognes.

### ODORS AVAILABLE ARE:

**Carnation:** A fresh, spicy odor—liked even by men who do not ordinarily care for scented soaps.

**Blue Spruce:** A soft fragrance of the pine type, but without any trace of the turpentine note of many pine soaps.

**Geranium:** The fresh, leafy odor of an old favorite.

**Lavender:** Soap experts tell us that this is the only soap they have smelled which retains a fresh lavender character after milling. Outstanding.

**Lemon Verbena:** The fresh, lemony fragrance of the tender green tips of this beloved plant.

**Lilac:** Specialists tell us that this is the only soap available today which can be compared to the Lilac formerly turned out by a famous foreign firm which was considered the best in the world. True Lilac wet with dew.

**Violet:** The closest reproduction of true violet fragrance available in soap.

**Zanzibar:** One of our leading odors, a spicy-woody blend of Oriental character, yet fresh and clean. On the Carnation order, but with a rich undertone of the finer French bouquets.

**PRICES:** 3 oz. cake, 20c (add 3c for postage); 6 oz. cake, 35c (add 6c for postage).





Baroness Schroeder, 75c

Sarah Bernhardt, \$1.00

Karl Rosefield, 75c

Mons. Jules Elie, 75c

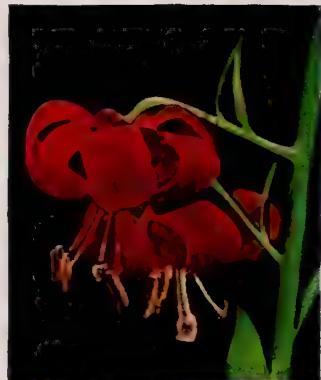
**Cover Collection E**  
One Plant Each of the Peonies Illustrated on this Cover (4 plants, value \$3.25), for \$2.00, prepaid 600 miles from Chicago.



RUBRUM  
Each, 30c; Doz., \$3.00



UMBELLATUM  
Each, 30c; Doz., \$3.00



TENUIFOLIUM  
Each, 15c; Doz., \$1.50



REGALE  
Each, 25c; Doz., \$2.50

## Six Hardy Garden **1** Lilies, **LARGE BULBS** (Value \$1.20) • Postpaid . . .

One each of the 6 varieties illustrated: Rubrum, Umbellatum, Tenuifolium, Regale, Superbum and Tigrinum Splendens, Prepaid 600 miles for \$1.00.

These varieties are hardy, vigorous and lasting, true "flowers of the field" and if planted in a well drained location, in mellow soil, will grow and multiply, contributing to your garden picture for years.

Shipped at Your Planting Time.

See Hardy Lily Page for Descriptions of these Varieties.



SUPERBUM  
Each, 20c; Doz., \$2.00

TIGRINUM SPLENDENS  
Each, 20c; Doz., \$2.00

One Each Variety (as illustrated above) Separately Bagged and Labeled, Prepaid - - \$1.00

Two Each Variety (as illustrated above) Separately Bagged and Labeled, Prepaid - - 1.90

Six Each Variety (as illustrated above) Separately Bagged and Labeled, Prepaid - - 5.25

Twelve Each Variety (as illustrated above) Separately Bagged and Labeled, Prep'd - - 10.00



## Most Beautiful of the Parrot Tulips

### Tulip Fantasy

« 12 for \$1.65; 100 for \$12.00 »

WHILE resembling the Parrot type in the extraordinary size of its blossoms, and its beautifully fringed and fluted petals, Fantasy is really unique, perhaps the forerunner of a new race. It has a straight, stiff stem, which most Parrots lack, and this makes it stand up in the borders instead of hanging its head. Fantasy originated as a sport of the famous Darwin tulip Clara Butt, and perhaps its greatest charm is the clear, true pink color of its forerunner. There are many tulip fanciers who regard Clara Butt as most beautiful of all because of this color. But while Clara Butt is a relatively small Darwin, each petal of a well grown specimen of Fantasy will measure three inches long and two inches across. On the back of each petal is a marking of emerald green. A group of Fantasy in your border will be a center of interest in the tulip season and a never failing attraction to garden visitors.

# Flowers Easily Grown Indoors

Flowers are increasingly fashionable for winter decoration indoors. Attractive stands, wall brackets, and glazed pots, are available to provide an attractive setting for your flowers in sun-parlor or living room.

This fashion is one in which garden lovers may easily excel. With new methods of forcing bulbs which banish all dirt, it is a simple matter to keep the sun-parlor or living room constantly supplied with blossoms at amazingly low cost. See Indoor Bulb Pages for cultural directions and for subjects illustrated on this page and others.

## Hyacinths Vaughan's Rainbow Collections

Of all the fall bulbs, hyacinths are the rarest this fall. We have obtained a limited quantity for sale to amateurs and urge early ordering. These are First Size Bulbs. 17 cm. and up, and are offered in four colors, red, blue, pink and white, our selection of varieties.

Postpaid  
4 Bulbs, one each of 4 colors..... \$1.25  
8 Bulbs, two each of 4 colors..... 2.35  
16 Bulbs, four each of 4 colors..... 4.50  
24 Bulbs, six each of 4 colors..... 6.50



## Paper White Narcissi To Grow in Gravel and Water

Fancy selected bulbs (13 cm.). Three bulbs for 15c; dozen, 50c; 100, \$3.00; 1,000, \$25.00.  
Mammoth bulbs (14 cm.). Three bulbs for 20c; dozen, 60c; 100, \$4.00; 1,000, \$35.00.  
Jumbo Bulbs (15 cm.). Three bulbs for 25c; dozen, 75c; 100, \$5.00; 1,000, \$45.00.

## The Yellow Paper White (Grand Soleil D'or)

A larger, stronger scented form of the Paper White Narcissus colored a beautiful golden yellow with a darker cup.  
Mammoth bulbs. Per three, 40c; dozen, \$1.40; 100, \$10.00.

**PAPER WHITE NARCISSI**  
Grown in Gravel



AMARYLLIS Hybrids

## Pearl Chips

Pearl Chips. 10c per lb.; 10 lbs., 75c.

Pearl Chips. Colored per lb. 15c; 10 lbs. for 85c. For Parcel Post delivery add postage at zone rates.

**Vaughan's Prepared Fibre**  
For Growing Bulbs in Bowls, Without Drainage. Per lb., 15c; 3 lbs., 35c; 10 lbs., 85c.

## Muscati (Grape Hyacinths)

These beautiful flowers blossom with the tall late tulips are often inter-planted with them. They are easily forced into flower indoors in bowls of bulb fibre.  
Doz. 100 1,000  
Armeniacum, Blue..... \$0.50 \$3.50 \$30.00  
Heavenly Blue..... .50 3.50 30.00



MUSCATI (Grape Hyacinth)

# Eight Hardy Daffodils 85¢

ONE EACH OF THE EIGHT VARIETIES  
ILLUSTRATED ON THIS PAGE, PREPAID



<b>THANKS</b> to well-established American production, Daffodils are in good supply at normal prices. Our Bulbs are all produced in the Pacific Northwest. Daffodils multiply in favorable locations, and are lifted only when they crowd.		
<b>COVER COLLECTION H</b>		
Two each of the varieties illustrated on this page (16 bulbs) .....		
Three each (24 bulbs) .....		
Six each (48 bulbs) .....		
Twelve each (96 bulbs) .....		
<b>Prices of Separate Varieties</b>		
Doz. 100		
Top left, Mrs. Barclay .....		
\$1.85 \$12.00		
Middle left, Mi Careme .....		
1.50 10.00		
Bottom left, King Alfred .....		
1.50 10.00		
Top Center, Poeticus Ornatus .....		
1.00 7.00		
Bottom Center, Cheerfulness .....		
1.50 10.00		
Top right, Bath's Flame .....		
1.50 10.00		
Middle right, Glory of Sas- senheim .....		
1.50 10.00		
Bottom right, Hera .....		
1.00 6.50		
ALL ABOVE PRICES PREPAID.		





# Eight

# Hardy Daffodils

ONE EACH OF THE EIGHT VARIETIES  
ILLUSTRATED ON THIS PAGE, PREPAID

85¢



THANKS to well-established American production, Daffodils are in good supply at normal prices. Our Bulbs are all produced in the Pacific Northwest. Daffodils multiply in favorable locations, and are lifted only when they crowd.

#### COVER COLLECTION H

Two each of the varieties illustrated on this page (16 bulbs) ..... \$1.60  
Three each (24 bulbs) ..... 2.35  
Six each (48 bulbs) ..... 4.50  
Twelve each (96 bulbs) ..... 8.75

#### Prices of Separate Varieties

	Doz.	100
Top left, Mrs. Barclay	1.85	\$12.00
Middle left, Mi Careme	1.50	10.00
Bottom left, King Alfred	1.50	10.00
Top Center, Poeticus Ornatus	1.00	7.00
Bottom Center, Cheerfulness	1.50	10.00
Top right, Bath's Flame	1.50	10.00
Middle right, Glory of Sas-		
senheim	1.50	10.00
Bottom right, Hera	1.00	6.50

ALL ABOVE PRICES PREPAID.

